

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042422.D
 Acq On : 28 Apr 2025 12:51
 Operator : SY/MD
 Sample : Q1665-16
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-5-3242025

Quant Time: Apr 29 01:35:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.780	49	143445	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	401346	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	346372	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	304530	10.699	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	10522	0.415	ppbv	95
3) Chlorodifluoromethane	1.473	51	12210	0.506	ppbv #	85
4) Chloromethane	1.528	50	10118	1.009	ppbv #	85
6) Bromomethane	1.657	94	391	0.083	ppbv #	65
7) Chloroethane	1.699	64	218	0.055	ppbv #	1
9) Propene	1.881	41	34854	3.171	ppbv	89
10) Heptane	4.968	43	10743	0.348	ppbv #	36
11) Trichlorofluoromethane	1.874	101	5172	0.215	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.130	101	1404	0.071	ppbv	93
13) Ethanol	1.719	45	834583	477.751	ppbv	78
15) Acetone	1.832	43	273996	11.668	ppbv	98
16) 1,3-Butadiene	1.596	39	3748	0.334	ppbv #	41
17) tert-Butyl alcohol	1.881	59	14338	0.493	ppbv	94
19) Isopropyl Alcohol	1.881	45	382160	29.296	ppbv #	34
20) Methylene Chloride	2.059	84	5939	0.646	ppbv #	95
21) Allyl Chloride	2.072	41	1537	0.095	ppbv #	29
23) Vinyl Acetate	2.454	43	28036	2.950	ppbv #	87
25) Ethyl Acetate	2.819	43	61724	1.066	ppbv #	86
26) Hexane	2.816	57	74514	3.180	ppbv #	37
27) Carbon Disulfide	2.143	76	1174	0.047	ppbv #	1
29) Chloroform	2.839	83	6046	0.183	ppbv #	82
30) Cyclohexane	3.849	84	9447	0.499	ppbv	90
34) 2-Butanone	2.554	43	25286	0.797	ppbv	99
35) Carbon Tetrachloride	3.751	117	2834	0.078	ppbv #	70
36) Benzene	3.645	78	29627	0.684	ppbv #	91
37) 1,2-Dichloroethane	3.211	62	1391	0.054	ppbv #	88
39) 1,2-Dichloropropane	3.949	63	109010	6.758	ppbv #	23
40) 1,4-Dioxane	4.606	88	398	0.045	ppbv #	21
41) Tetrahydrofuran	3.052	42	900	0.049	ppbv #	35
44) 2,2,4-Trimethylpentane	4.632	57	38897	0.520	ppbv #	12
53) Toluene	6.923	91	350451	6.746	ppbv	99
58) Ethyl Benzene	9.348	91	39720	0.579	ppbv	94
59) m/p-Xylene	9.522	91	108081	1.955	ppbv	97
60) o-Xylene	9.956	91	38480	0.691	ppbv	95
61) Styrene	9.862	104	6199	0.233	ppbv	99
62) Isopropylbenzene	10.532	105	4427	0.054	ppbv	91
64) n-propylbenzene	10.982	120	2864	0.139	ppbv #	46
65) tert-Butylbenzene	11.875	119	2272	0.030	ppbv	90
69) p-Isopropyltoluene	11.921	119	17184	0.189	ppbv	98
71) 2-Chlorotoluene	10.895	91	20426	0.319	ppbv	94
72) 4-Ethyltoluene	11.118	105	16614	0.244	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.199	105	16186	0.269	ppbv	92
74) 1,2,4-Trimethylbenzene	11.529	105	53644	0.764	ppbv #	61

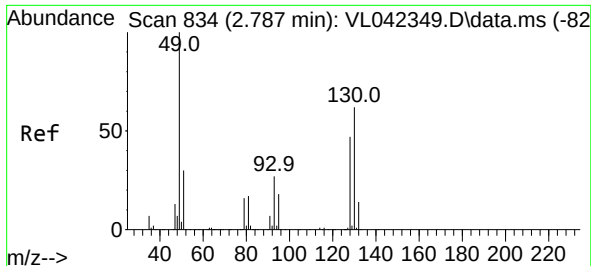
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042422.D
Acq On : 28 Apr 2025 12:51
Operator : SY/MD
Sample : Q1665-16
Misc : 400mL/MSVOA_L
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Instrument :
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IA-B2-5-3242025

Quant Time: Apr 29 01:35:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	13.510	128	3307	0.039	ppbv	# 88

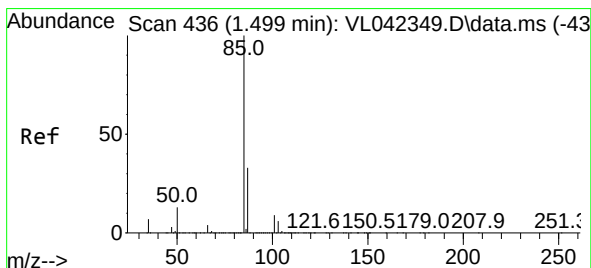
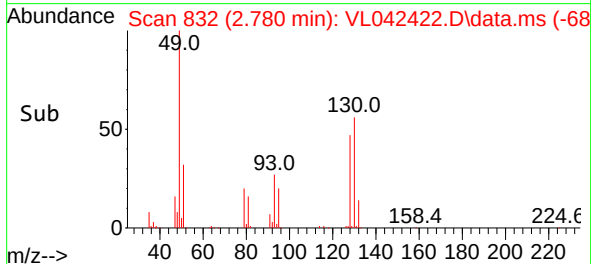
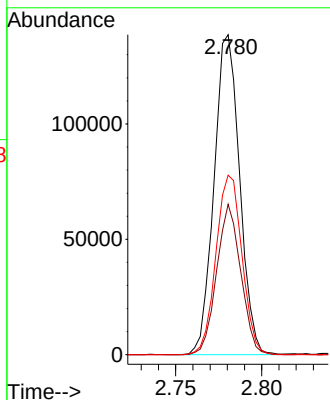
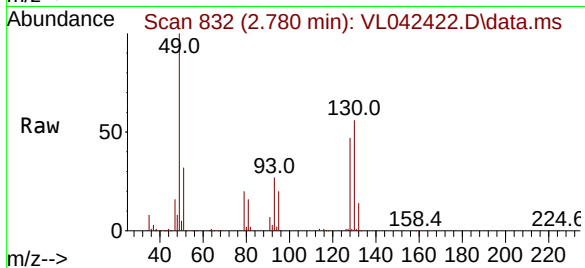
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

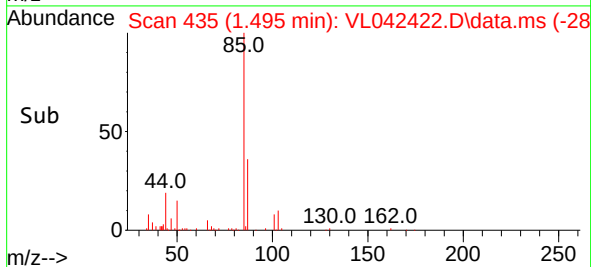
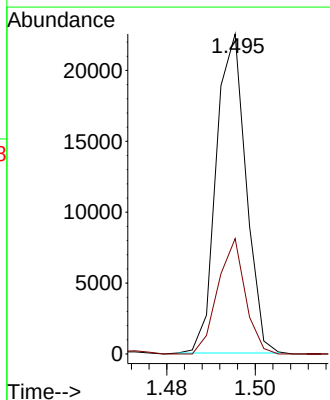
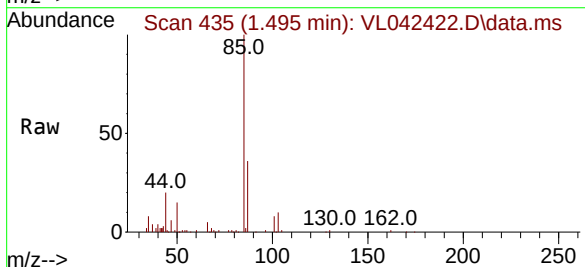
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MSVOA_L
ClientSampleId :
IA-B2-5-3242025

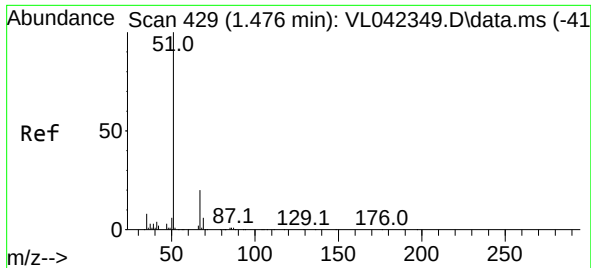
Tgt Ion: 49 Resp: 143445
Ion Ratio Lower Upper
49 100
128 44.3 22.8 68.4
130 57.0 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.415 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 85 Resp: 10522
Ion Ratio Lower Upper
85 100
87 36.2 26.6 39.8

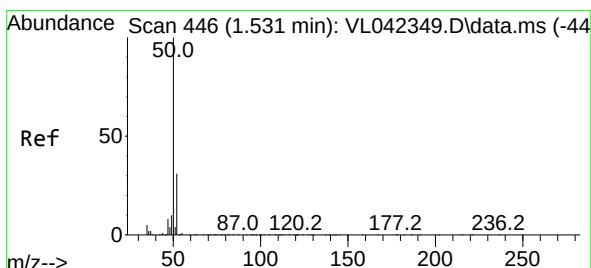
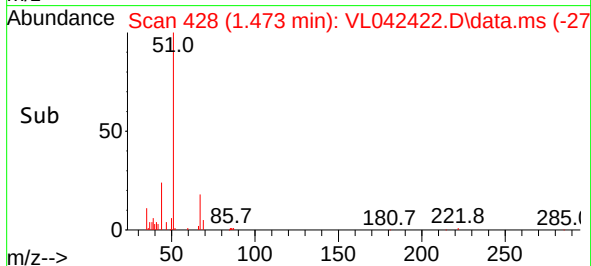
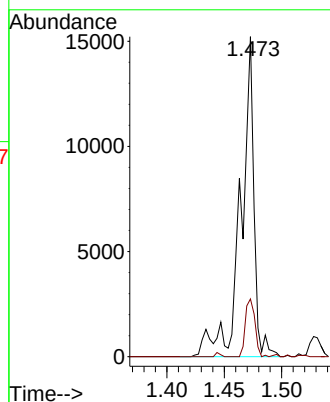
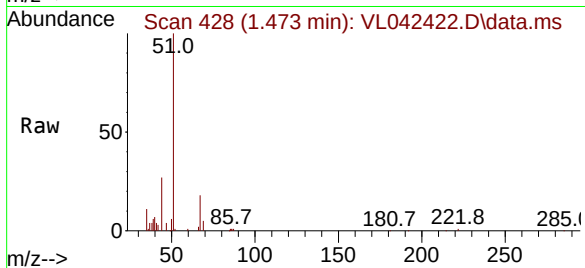




#3
Chlorodifluoromethane
Concen: 0.506 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

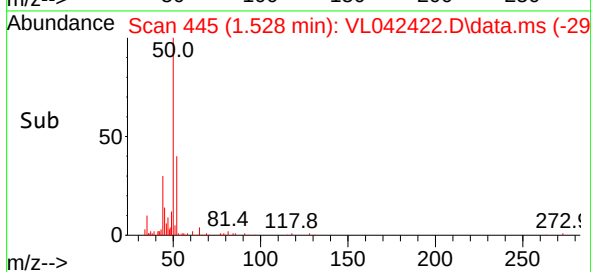
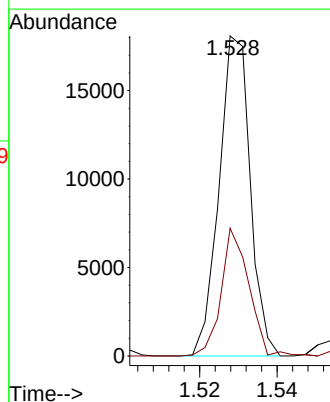
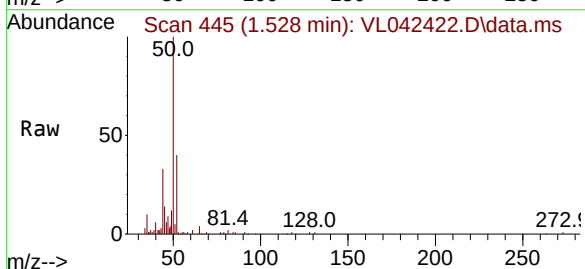
Instrument :
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ClientSampleId :
IA-B2-5-3242025

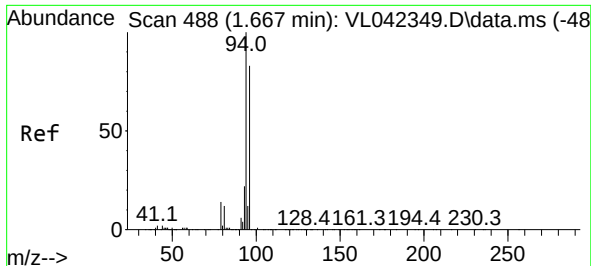
Tgt Ion: 51 Resp: 12210
Ion Ratio Lower Upper
51 100
67 13.3 16.2 24.4#



#4
Chloromethane
Concen: 1.009 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 50 Resp: 10118
Ion Ratio Lower Upper
50 100
52 39.3 24.7 37.1#

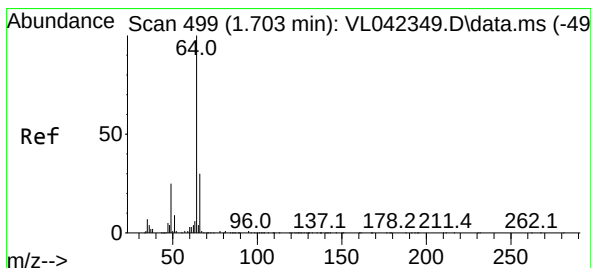
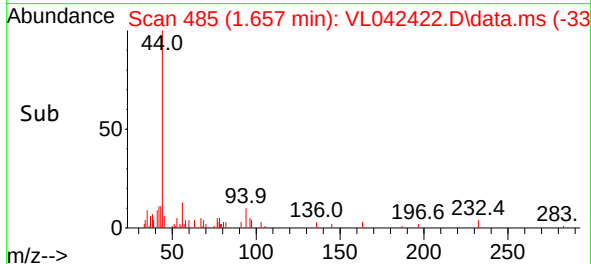
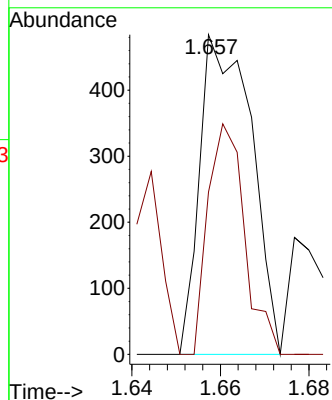
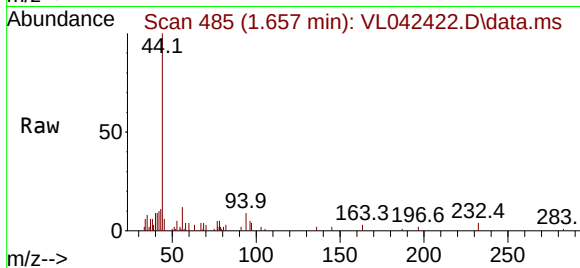




#6
Bromomethane
Concen: 0.083 ppbv
RT: 1.657 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

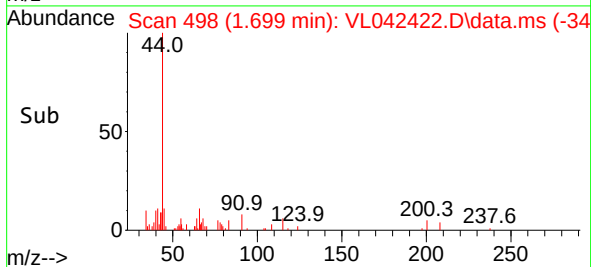
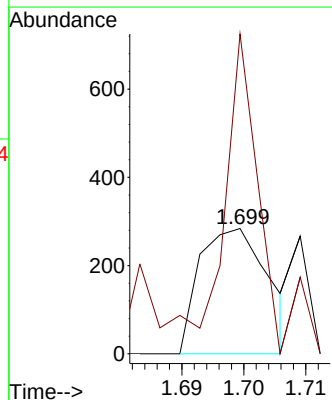
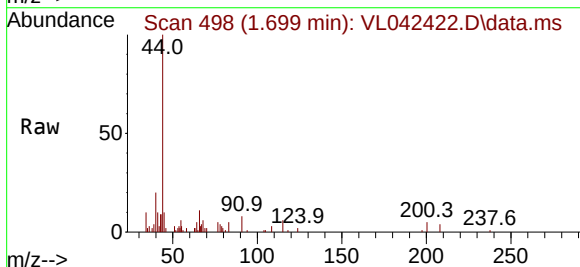
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

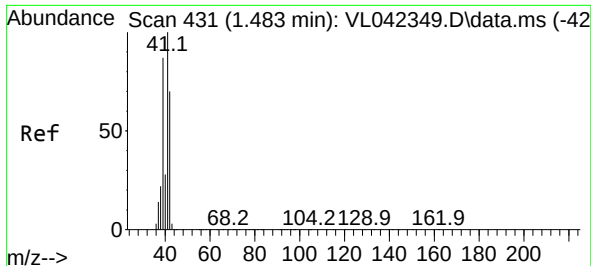
Tgt Ion: 94 Resp: 391
Ion Ratio Lower Upper
94 100
96 50.8 66.2 99.2#



#7
Chloroethane
Concen: 0.055 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.003 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 64 Resp: 218
Ion Ratio Lower Upper
64 100
66 212.0 24.6 37.0#





#9

Propene

Concen: 3.171 ppbv

RT: 1.881 min Scan# 51

Delta R.T. 0.398 min

Lab File: VL042422.D

Acq: 28 Apr 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

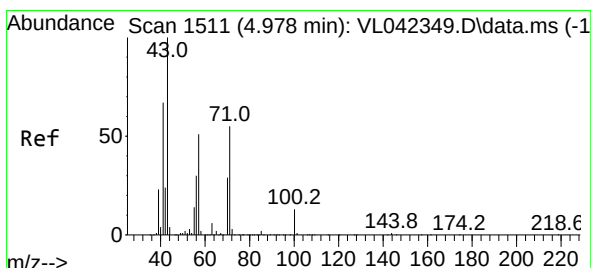
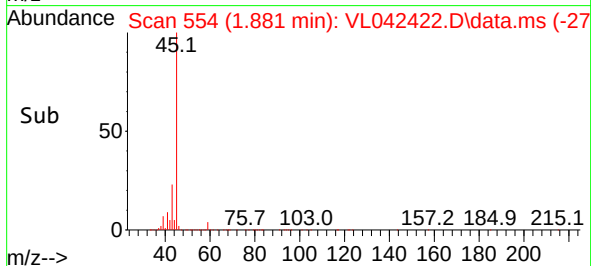
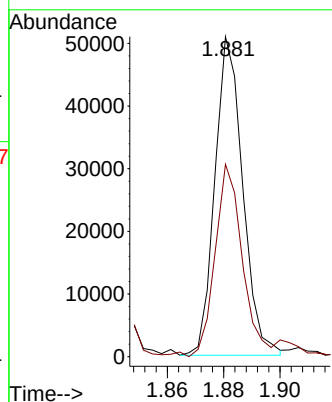
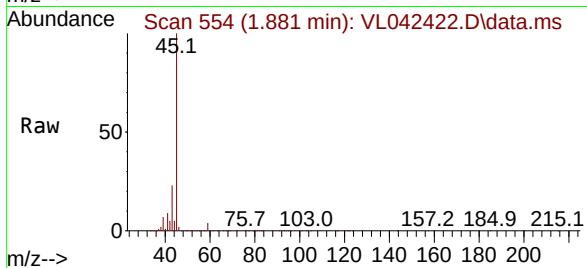
IA-B2-5-3242025

Tgt Ion: 41 Resp: 34854

Ion Ratio Lower Upper

41 100

42 61.6 56.2 84.4



#10

Heptane

Concen: 0.348 ppbv

RT: 4.968 min Scan# 1508

Delta R.T. -0.010 min

Lab File: VL042422.D

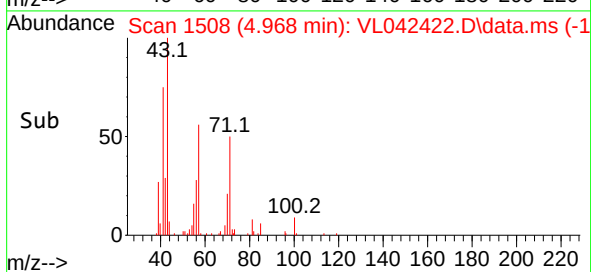
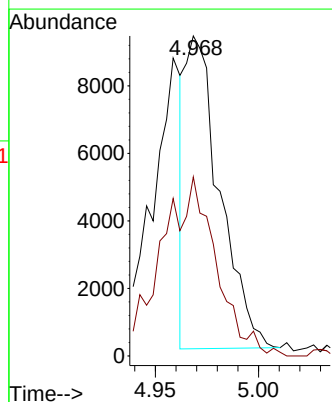
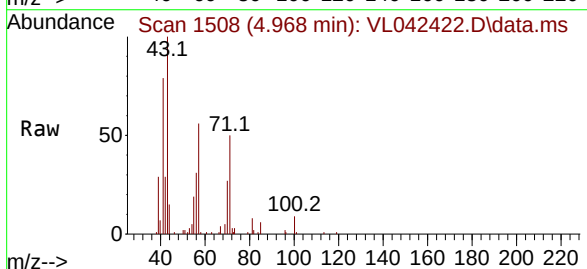
Acq: 28 Apr 2025 12:51

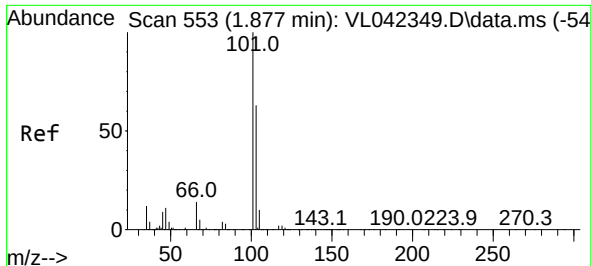
Tgt Ion: 43 Resp: 10743

Ion Ratio Lower Upper

43 100

57 93.6 39.9 59.9#

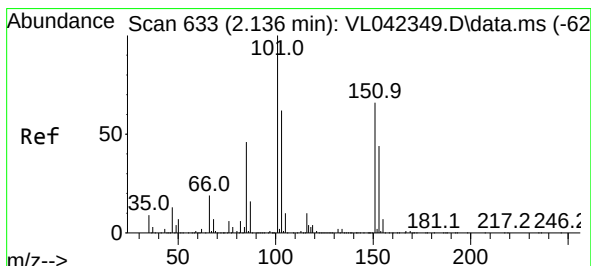
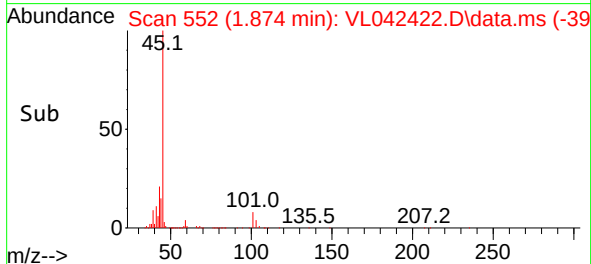
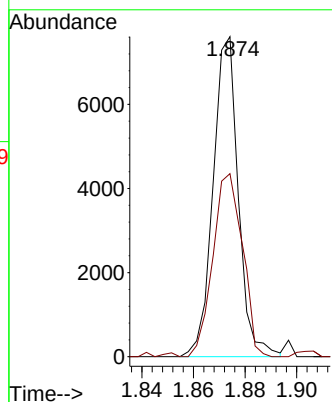
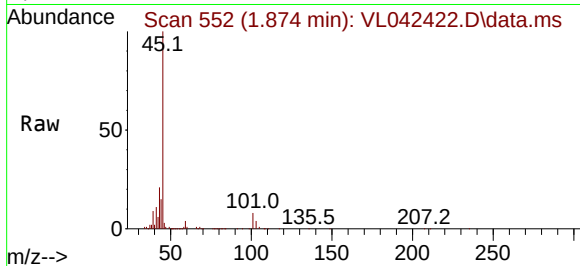




#11
 Trichlorofluoromethane
 Concen: 0.215 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042422.D
 Acq: 28 Apr 2025 12:51

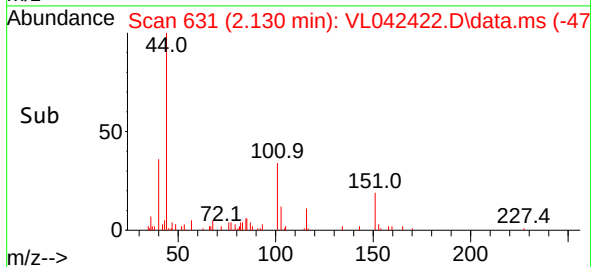
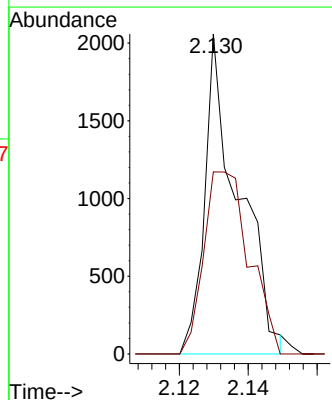
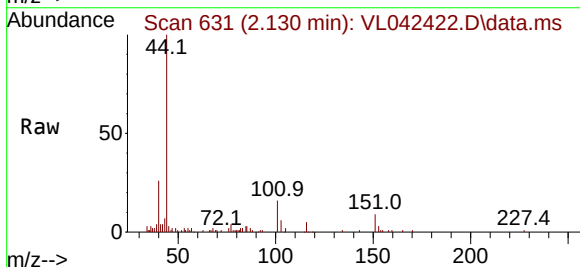
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-5-3242025

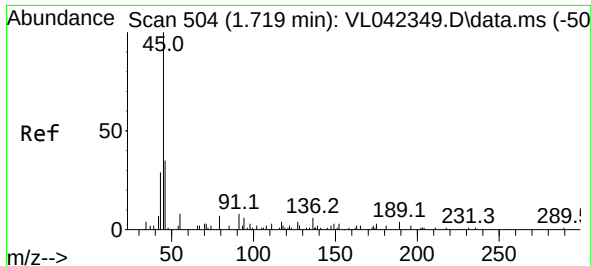
Tgt Ion:101 Resp: 5172
 Ion Ratio Lower Upper
 101 100
 103 57.2 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.071 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. -0.007 min
 Lab File: VL042422.D
 Acq: 28 Apr 2025 12:51

Tgt Ion:101 Resp: 1404
 Ion Ratio Lower Upper
 101 100
 151 76.8 57.0 85.6

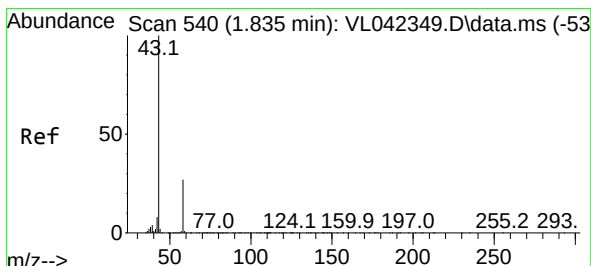
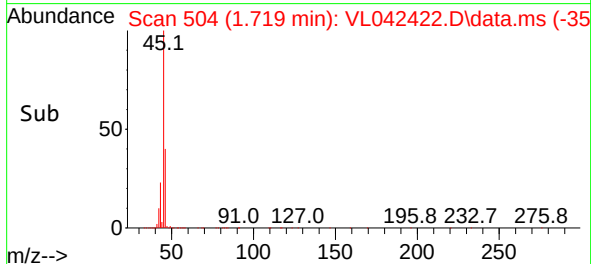
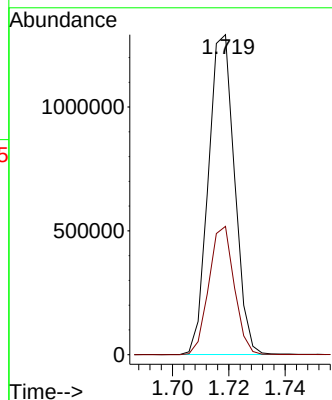
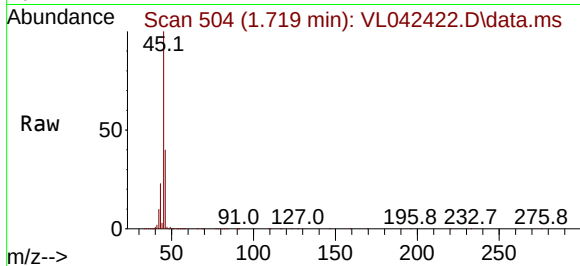




#13
Ethanol
Concen: 477.751 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

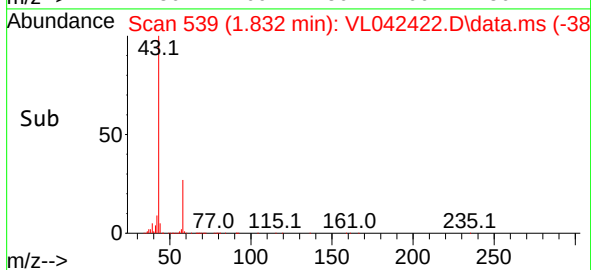
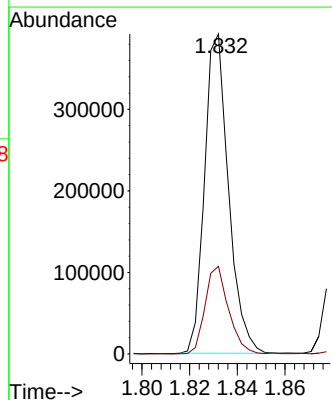
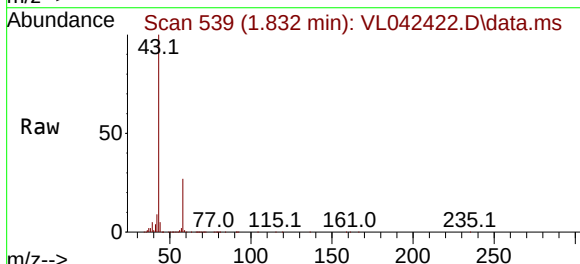
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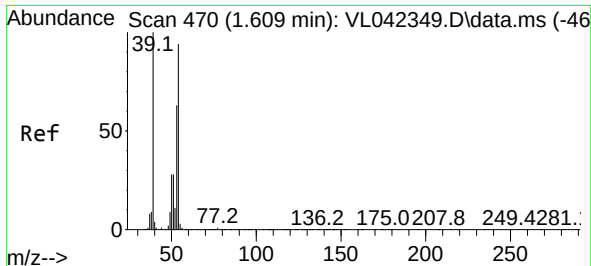
Tgt Ion: 45 Resp: 834583
Ion Ratio Lower Upper
45 100
46 39.0 21.9 87.7



#15
Acetone
Concen: 11.668 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 43 Resp: 273996
Ion Ratio Lower Upper
43 100
58 27.0 22.4 33.6

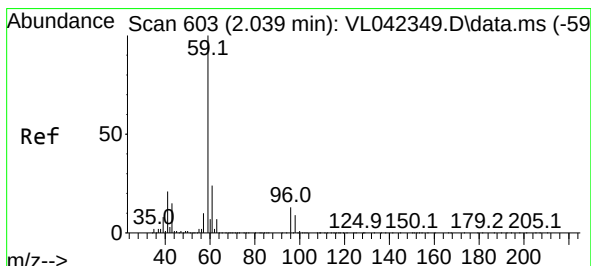
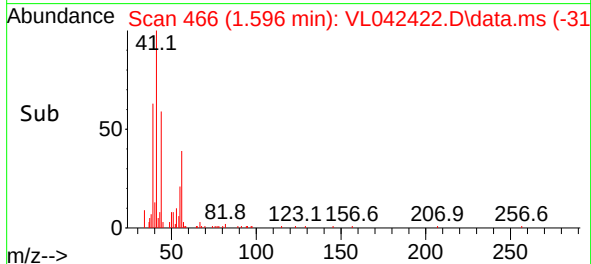
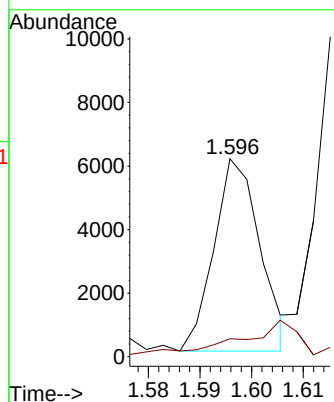
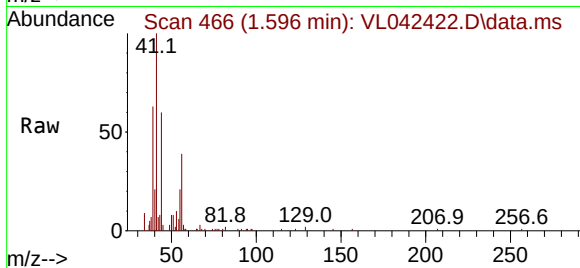




#16
1,3-Butadiene
Concen: 0.334 ppbv
RT: 1.596 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

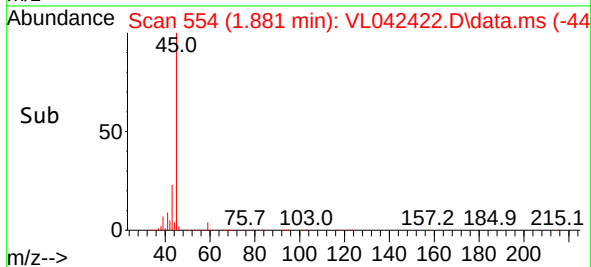
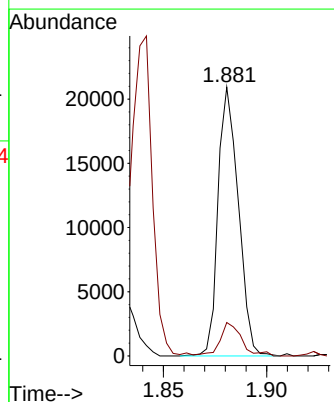
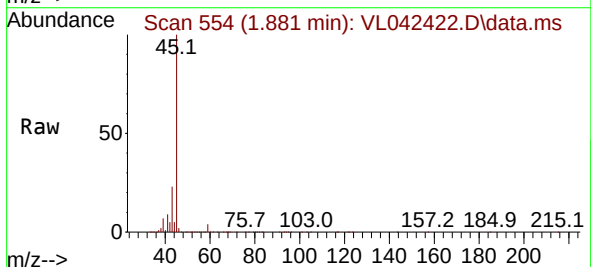
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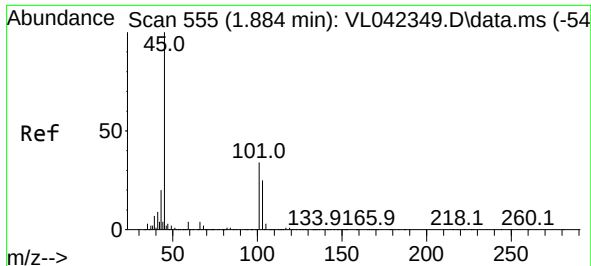
Tgt Ion: 39 Resp: 3748
Ion Ratio Lower Upper
39 100
54 28.5 64.9 97.3#



#17
tert-Butyl alcohol
Concen: 0.493 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.159 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 59 Resp: 14338
Ion Ratio Lower Upper
59 100
57 13.1 8.7 13.1

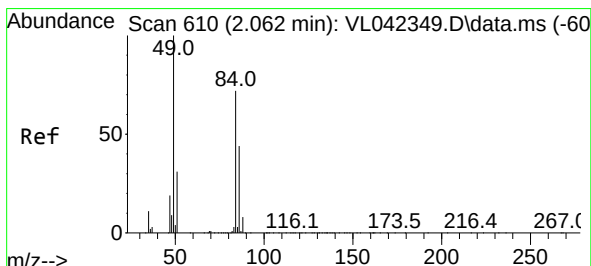
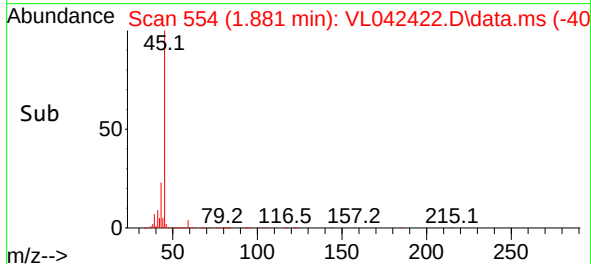
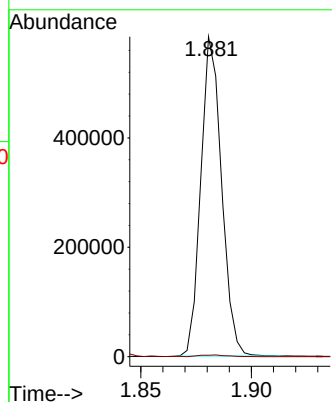
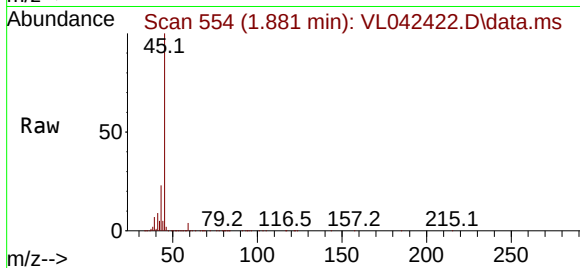




#19
Isopropyl Alcohol
Concen: 29.296 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

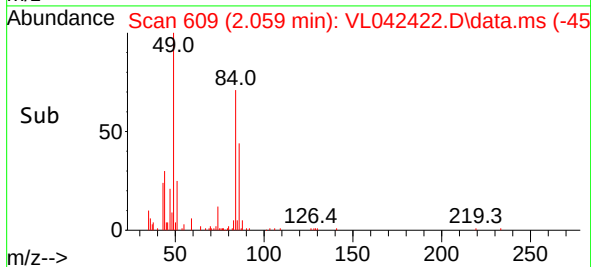
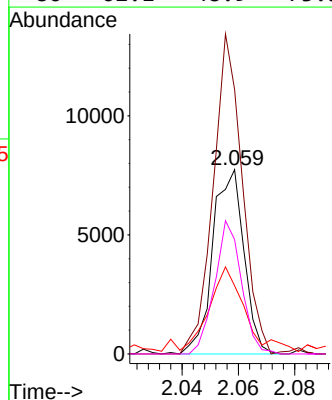
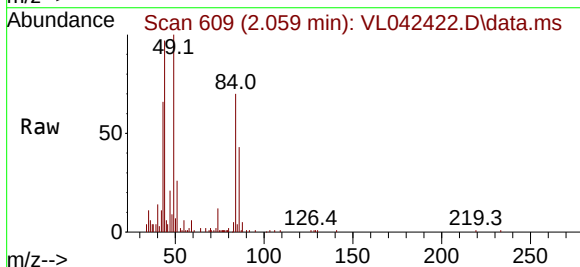
Instrument :
MSVOA_1
ClientSampleId :
IA-B2-5-3242025

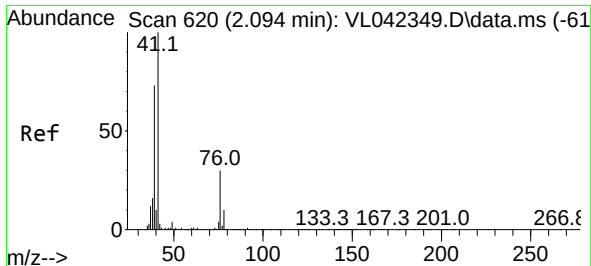
Tgt Ion: 45 Resp: 382160
Ion Ratio Lower Upper
45 100
58 0.8 34.5 51.7#



#20
Methylene Chloride
Concen: 0.646 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 84 Resp: 5939
Ion Ratio Lower Upper
84 100
49 143.4 111.6 167.4
51 35.0 35.1 52.7#
86 62.1 48.9 73.3

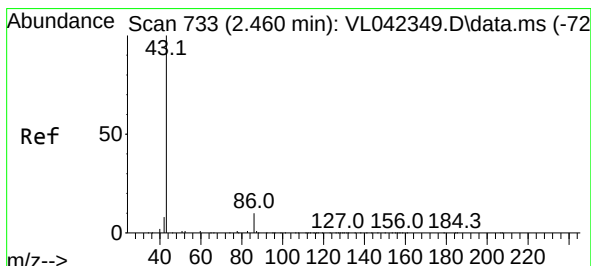
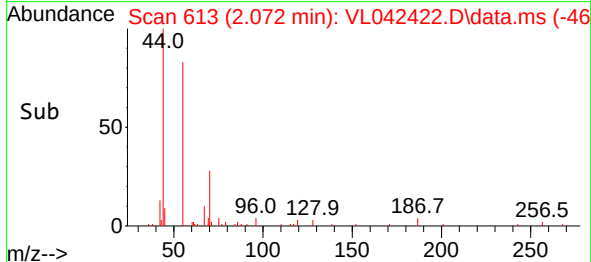
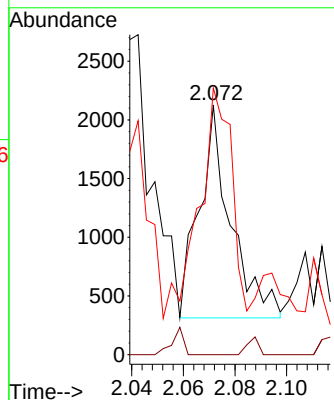
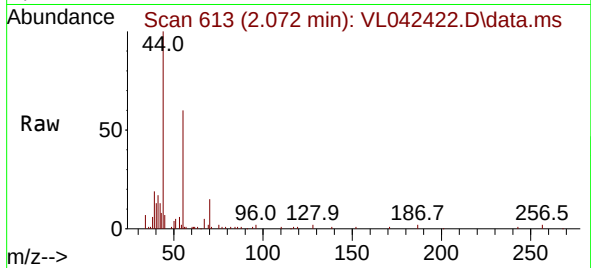




#21
 Allyl Chloride
 Concen: 0.095 ppbv
 RT: 2.072 min Scan# 613
 Delta R.T. -0.023 min
 Lab File: VL042422.D
 Acq: 28 Apr 2025 12:51

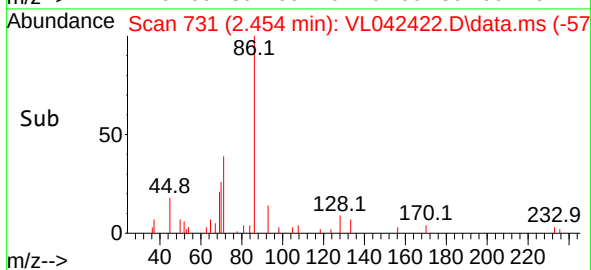
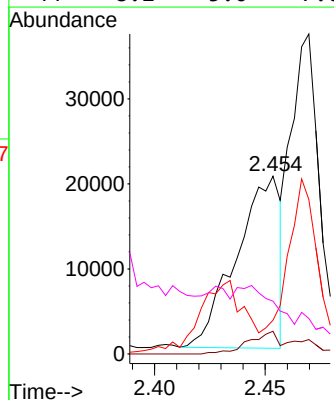
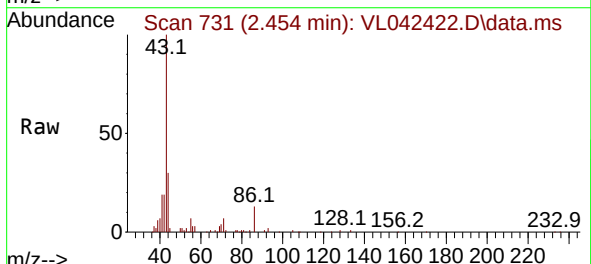
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-5-3242025

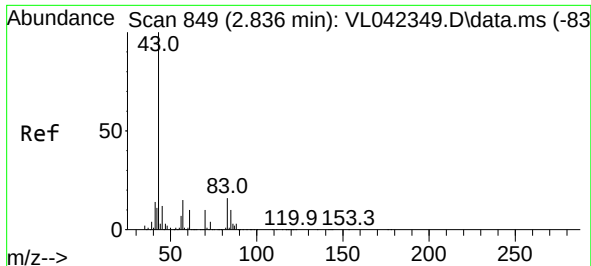
Tgt Ion: 41 Resp: 1537
 Ion Ratio Lower Upper
 41 100
 76 4.6 24.8 37.2#
 39 144.6 60.6 90.8#



#23
 Vinyl Acetate
 Concen: 2.950 ppbv
 RT: 2.454 min Scan# 731
 Delta R.T. -0.007 min
 Lab File: VL042422.D
 Acq: 28 Apr 2025 12:51

Tgt Ion: 43 Resp: 28036
 Ion Ratio Lower Upper
 43 100
 86 13.3 6.5 9.7#
 42 15.9 7.8 11.8#
 44 8.2 5.0 7.6#

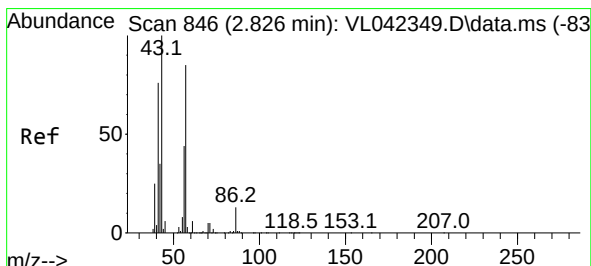
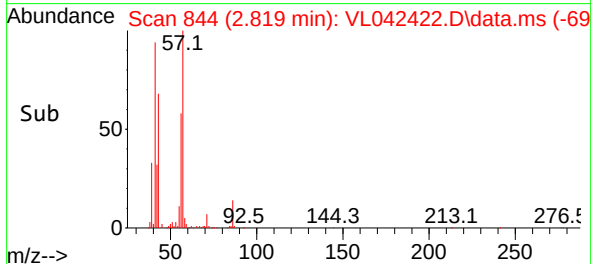
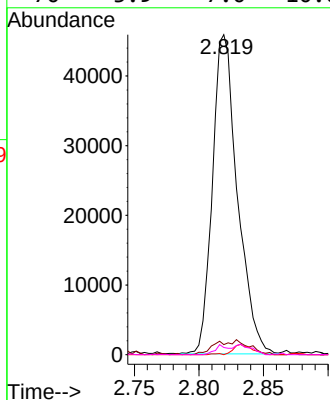
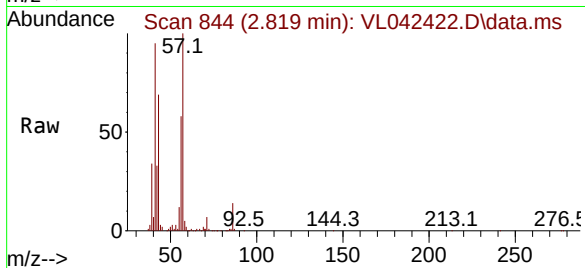




#25
Ethyl Acetate
Concen: 1.066 ppbv
RT: 2.819 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

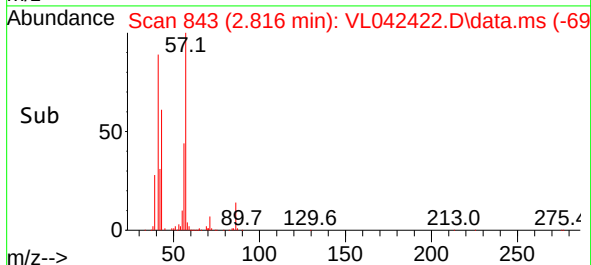
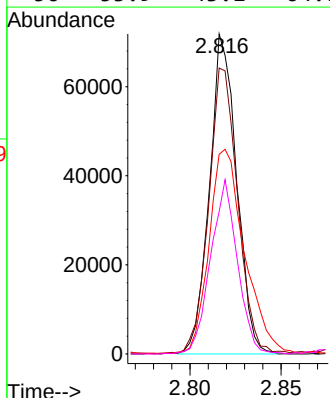
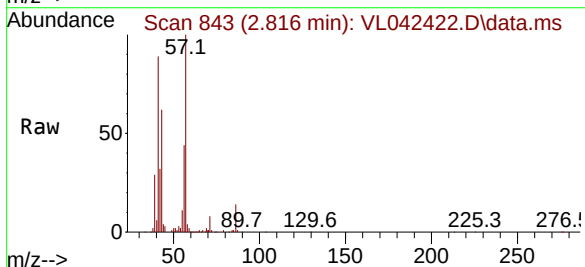
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

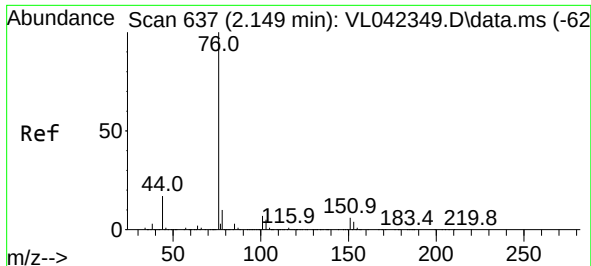
Tgt Ion:	43	Resp:	61724
Ion	Ratio	Lower	Upper
43	100		
45	6.3	8.3	12.5#
61	2.5	7.3	10.9#
70	3.9	7.0	10.6#



#26
Hexane
Concen: 3.180 ppbv
RT: 2.816 min Scan# 843
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion:	57	Resp:	74514
Ion	Ratio	Lower	Upper
57	100		
41	95.0	77.9	116.9
43	82.5	208.4	312.6#
56	53.9	43.1	64.7





#27

Carbon Disulfide

Concen: 0.047 ppbv

RT: 2.143 min Scan# 61

Delta R.T. -0.007 min

Lab File: VL042422.D

Acq: 28 Apr 2025 12:51

Instrument :

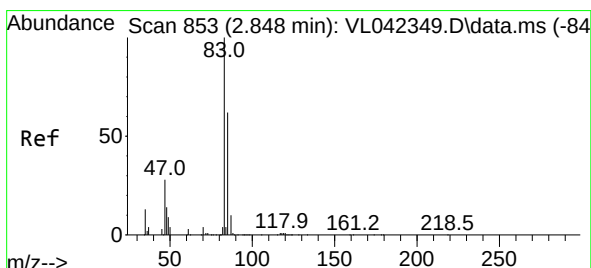
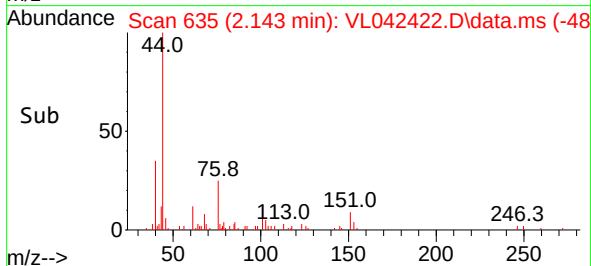
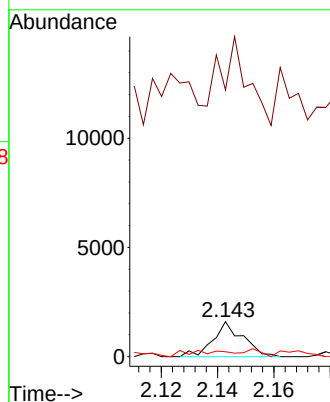
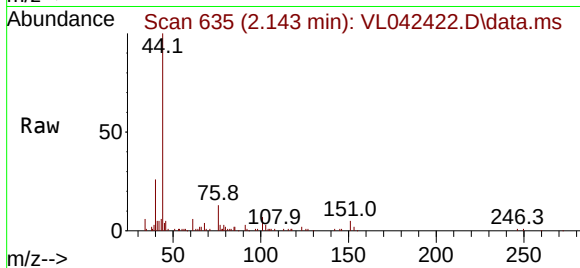
MSVOA_L

ClientSampleId :

IA-B2-5-3242025

Tgt Ion: 76 Resp: 1174

Ion	Ratio	Lower	Upper
76	100		
44	1071.4	15.5	23.3#
78	36.2	9.3	13.9#



#29

Chloroform

Concen: 0.183 ppbv

RT: 2.839 min Scan# 850

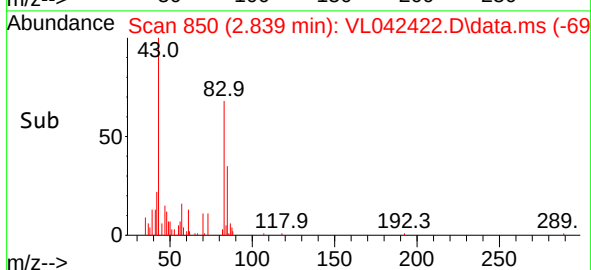
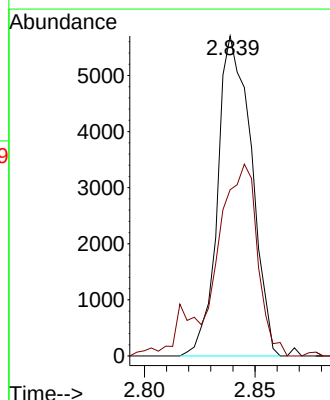
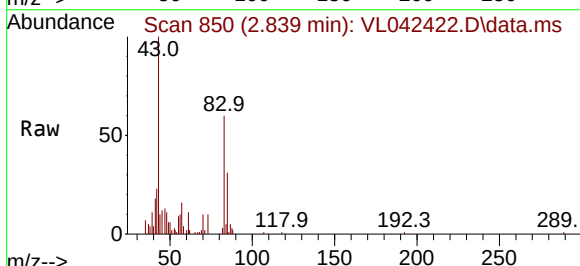
Delta R.T. -0.010 min

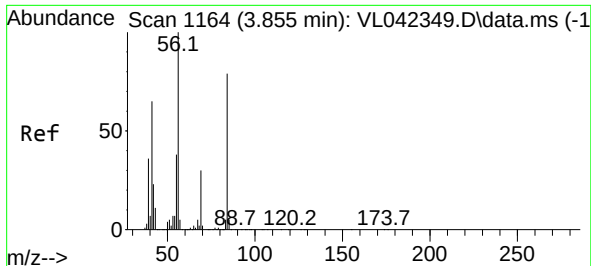
Lab File: VL042422.D

Acq: 28 Apr 2025 12:51

Tgt Ion: 83 Resp: 6046

Ion	Ratio	Lower	Upper
83	100		
85	49.0	50.0	75.0#

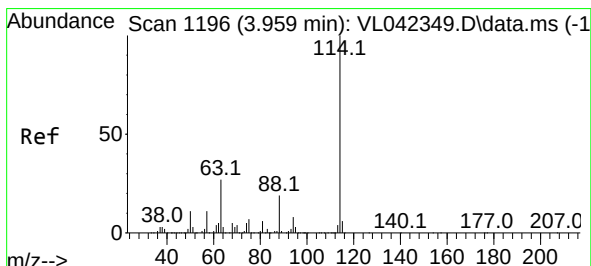
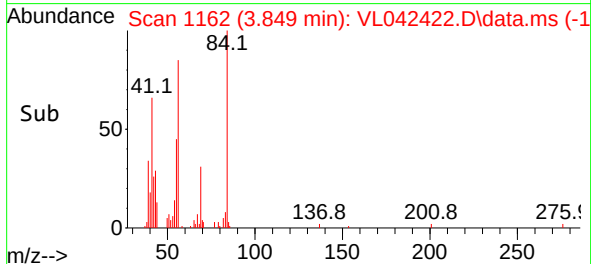
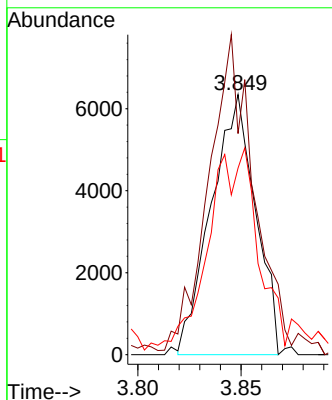
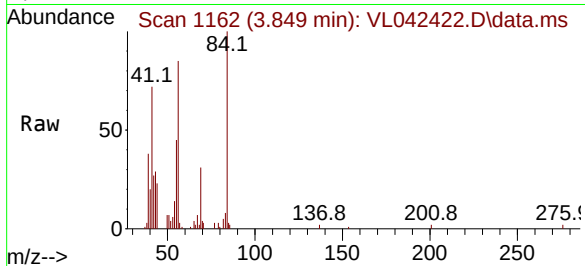




#30
Cyclohexane
Concen: 0.499 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.007 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

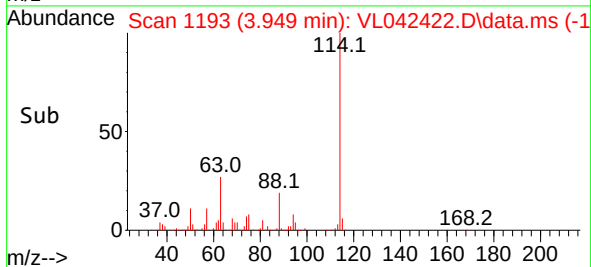
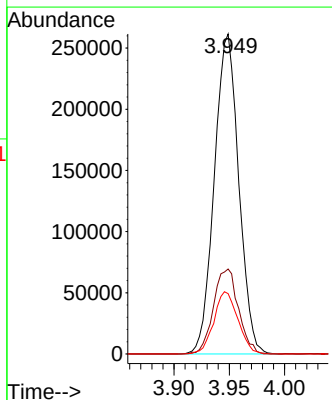
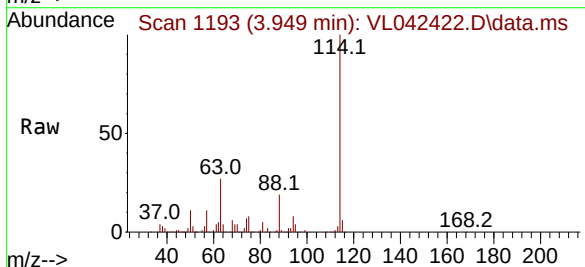
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

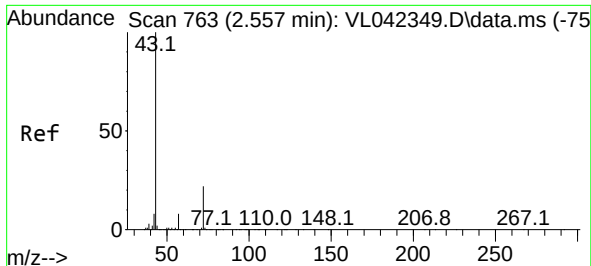
Tgt Ion: 84 Resp: 9447
Ion Ratio Lower Upper
84 100
56 135.0 101.0 151.4
41 96.3 67.4 101.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 114 Resp: 401346
Ion Ratio Lower Upper
114 100
63 27.2 21.8 32.6
88 19.2 15.5 23.3

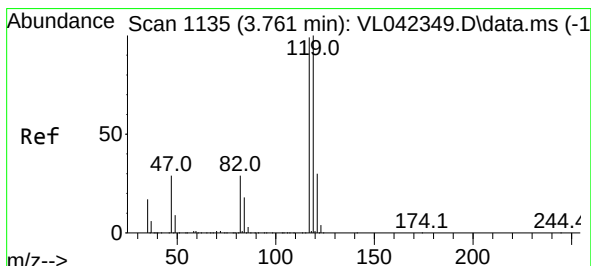
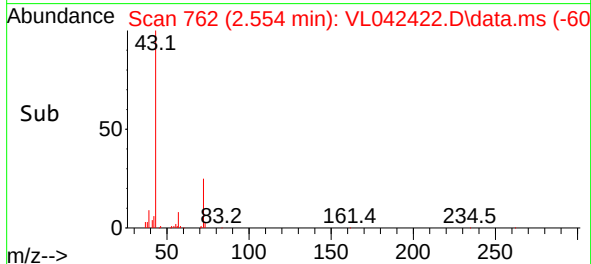
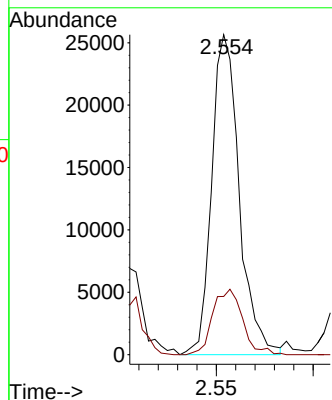
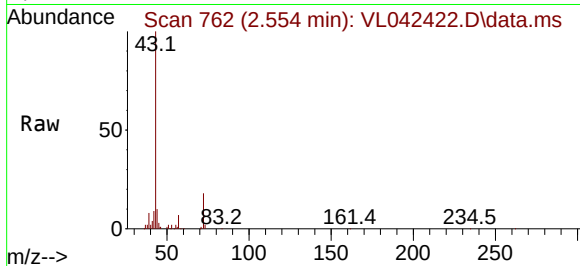




#34
2-Butanone
Concen: 0.797 ppbv
RT: 2.554 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

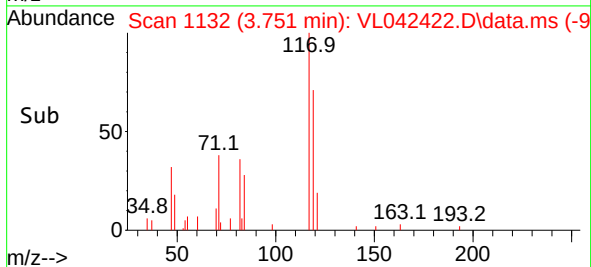
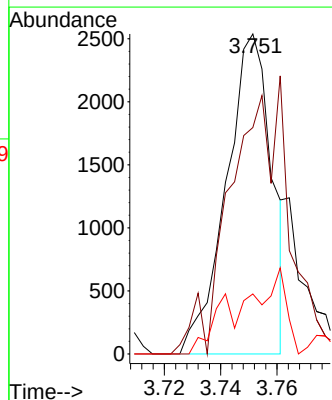
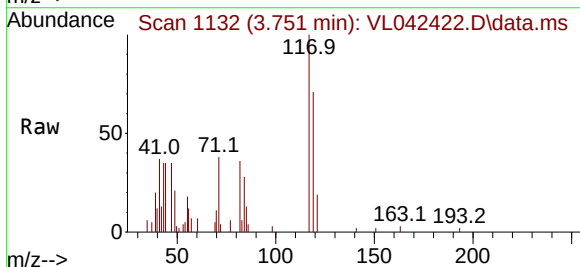
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

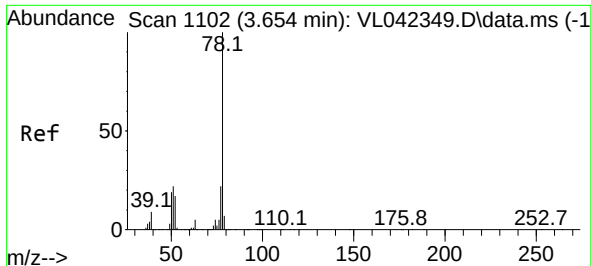
Tgt Ion: 43 Resp: 25286
Ion Ratio Lower Upper
43 100
72 22.2 18.2 27.2



#35
Carbon Tetrachloride
Concen: 0.078 ppbv
RT: 3.751 min Scan# 1132
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

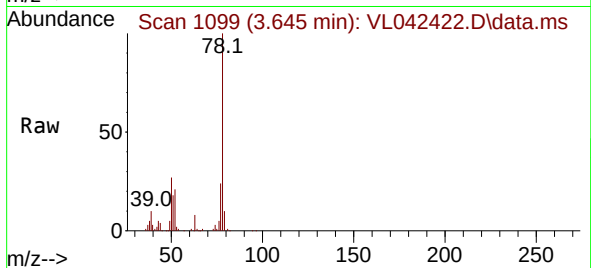
Tgt Ion: 117 Resp: 2834
Ion Ratio Lower Upper
117 100
119 67.8 80.5 120.7#
121 18.8 24.2 36.2#



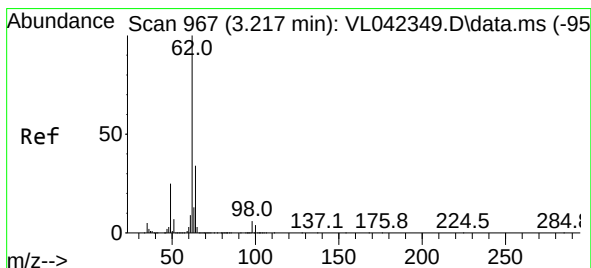
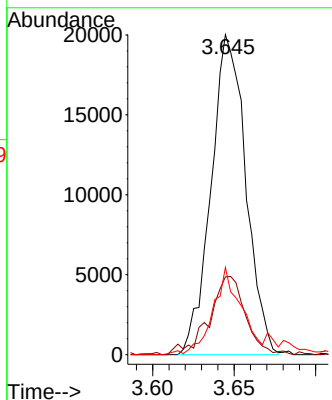
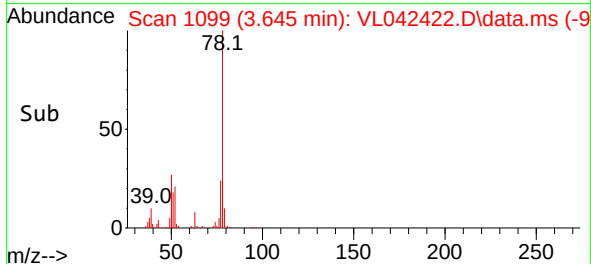


#36
Benzene
Concen: 0.684 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

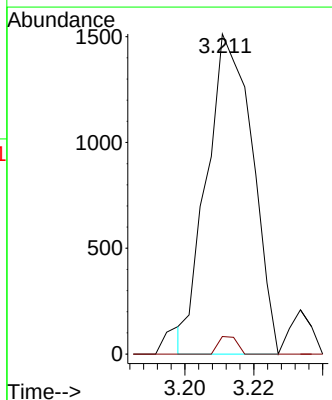
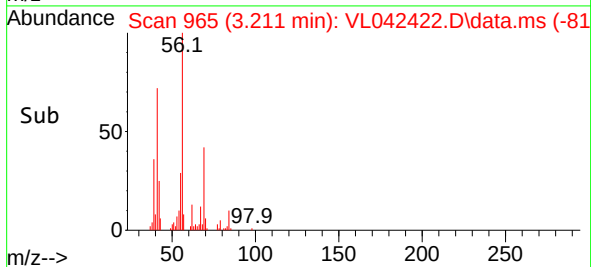
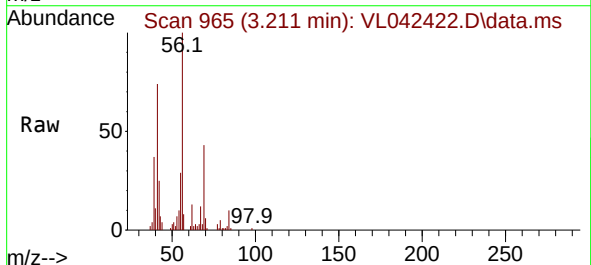


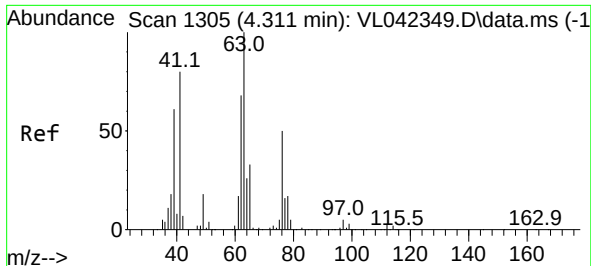
Tgt Ion: 78 Resp: 29627
Ion Ratio Lower Upper
78 100
77 23.4 17.4 26.0
50 26.0 15.5 23.3#



#37
1,2-Dichloroethane
Concen: 0.054 ppbv
RT: 3.211 min Scan# 965
Delta R.T. -0.007 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 62 Resp: 1391
Ion Ratio Lower Upper
62 100
98 2.2 5.1 7.7#





#39

1,2-Dichloropropane

Concen: 6.758 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.363 min

Lab File: VL042422.D

Acq: 28 Apr 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-5-3242025

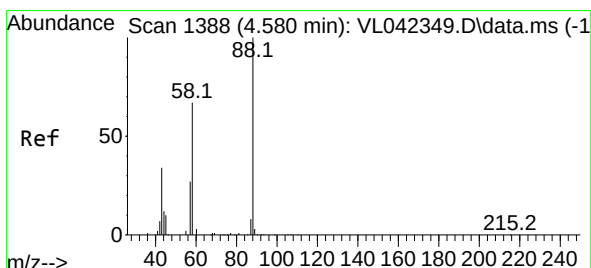
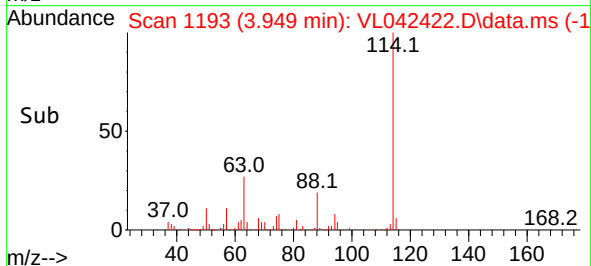
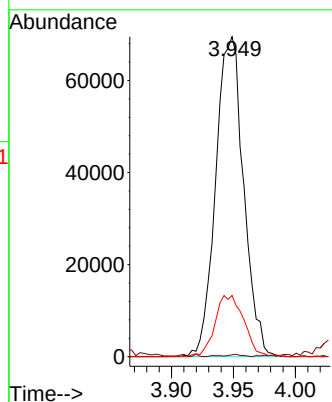
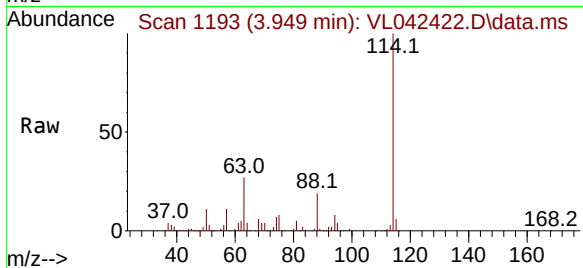
Tgt Ion: 63 Resp: 109010

Ion Ratio Lower Upper

63 100

41 0.2 64.2 96.2#

62 19.1 54.3 81.5#



#40

1,4-Dioxane

Concen: 0.045 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.026 min

Lab File: VL042422.D

Acq: 28 Apr 2025 12:51

Tgt Ion: 88 Resp: 398

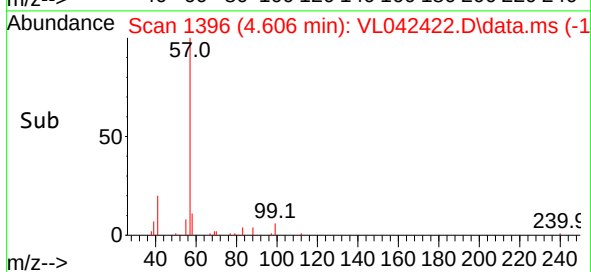
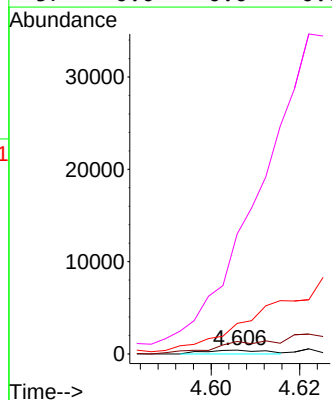
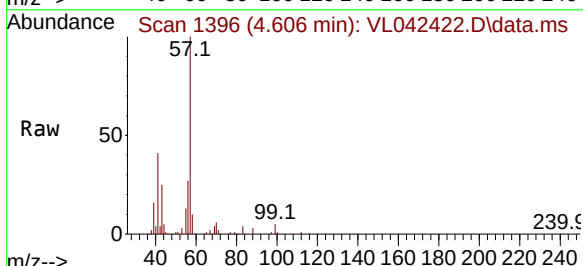
Ion Ratio Lower Upper

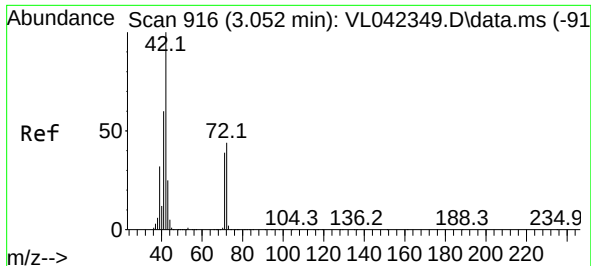
88 100

58 0.0 61.4 92.0#

43 0.0 23.2 34.8#

57 0.0 0.0 0.0

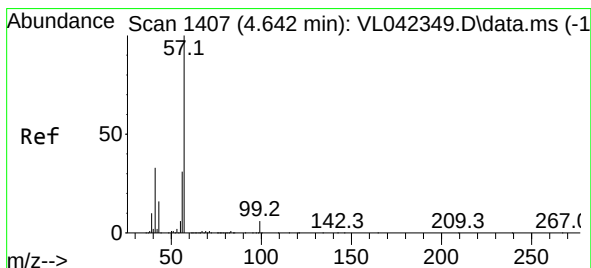
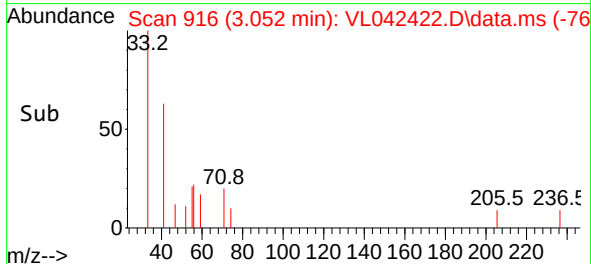
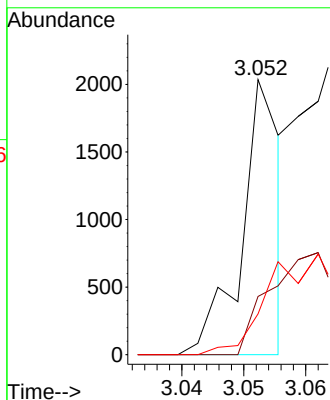
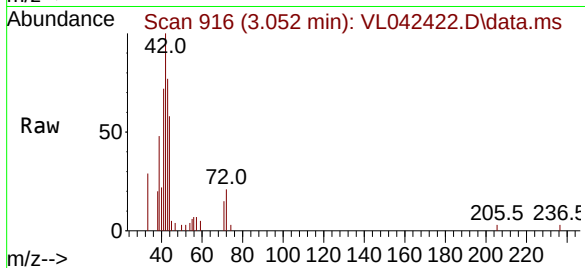




#41
Tetrahydrofuran
Concen: 0.049 ppbv
RT: 3.052 min Scan# 916
Delta R.T. -0.000 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

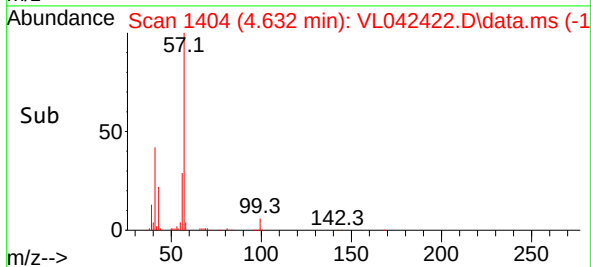
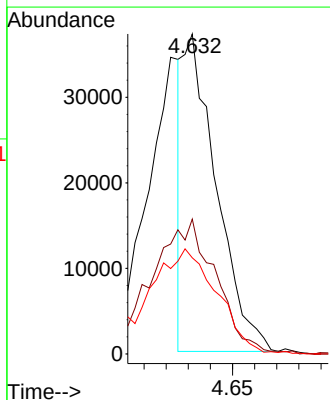
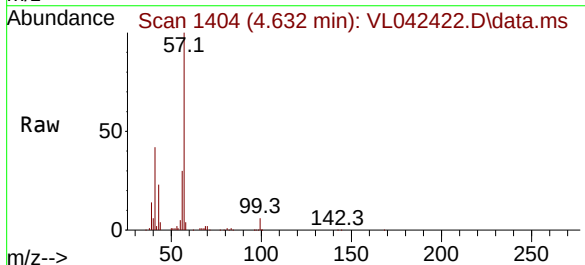
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

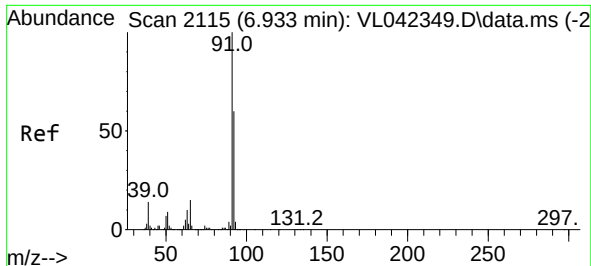
Tgt Ion: 42 Resp: 900
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 31.4 47.2#



#44
2,2,4-Trimethylpentane
Concen: 0.520 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 57 Resp: 38897
Ion Ratio Lower Upper
57 100
41 88.3 27.2 40.8#
56 77.3 25.7 38.5#

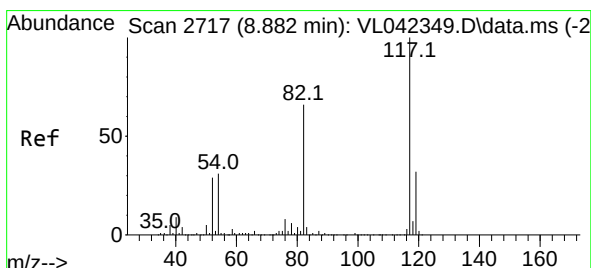
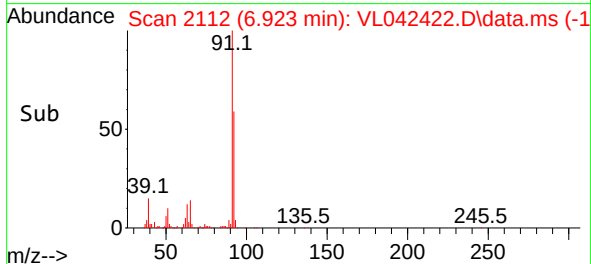
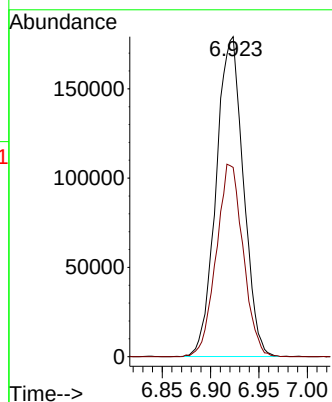
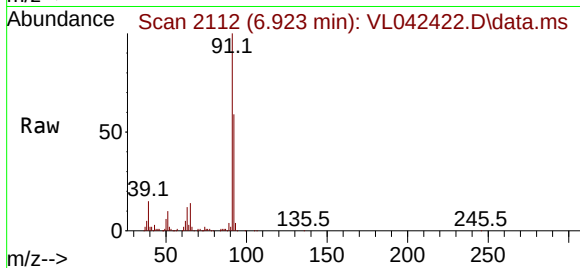




#53
Toluene
Concen: 6.746 ppbv
RT: 6.923 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

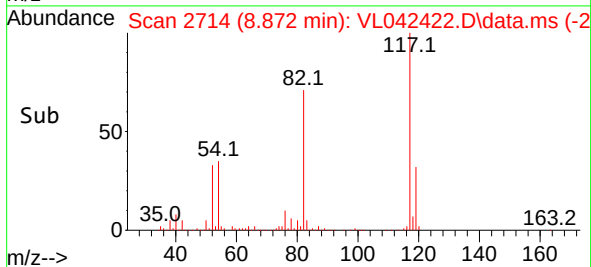
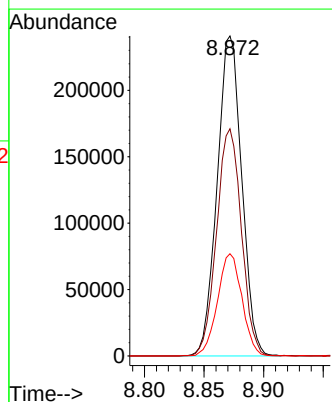
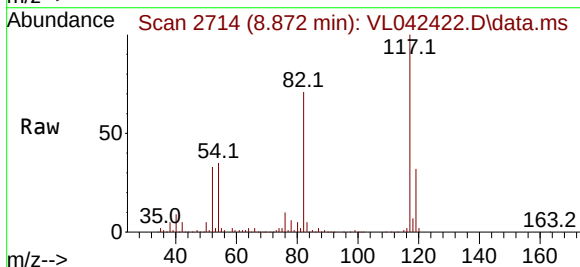
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

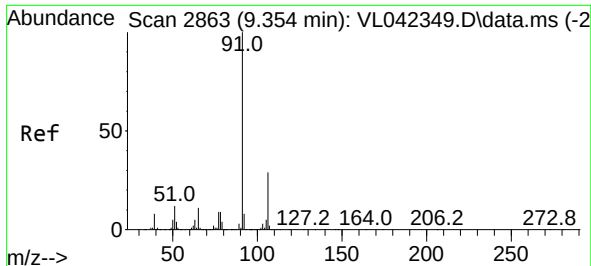
Tgt Ion: 91 Resp: 350451
Ion Ratio Lower Upper
91 100
92 59.5 48.2 72.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 117 Resp: 346372
Ion Ratio Lower Upper
117 100
82 71.5 57.8 86.6
119 31.7 25.2 37.8

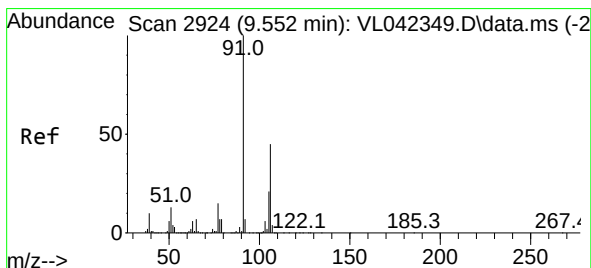
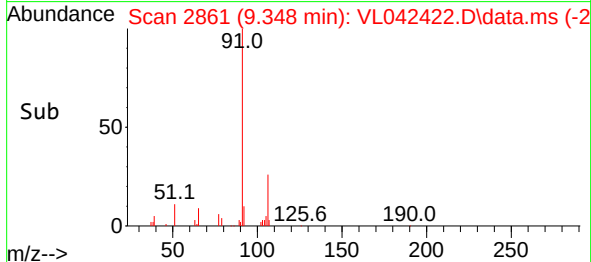
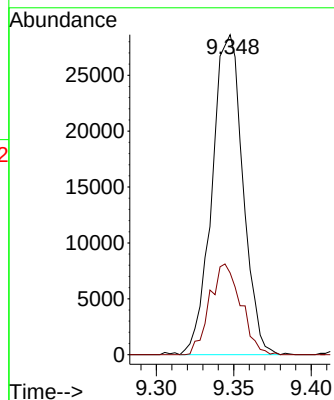
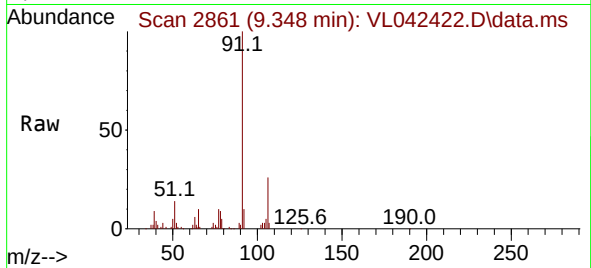




#58
Ethyl Benzene
Concen: 0.579 ppbv
RT: 9.348 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

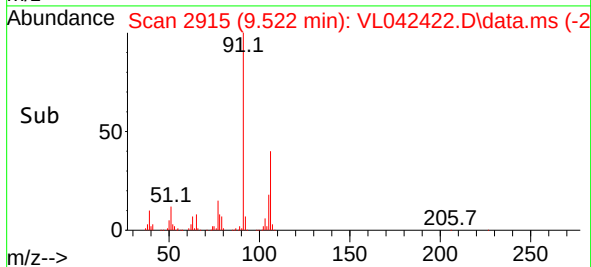
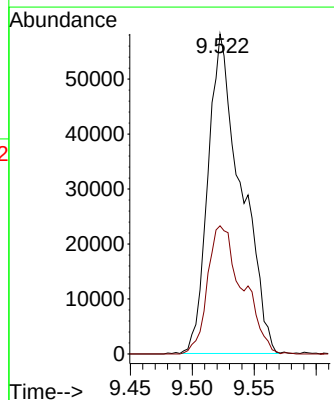
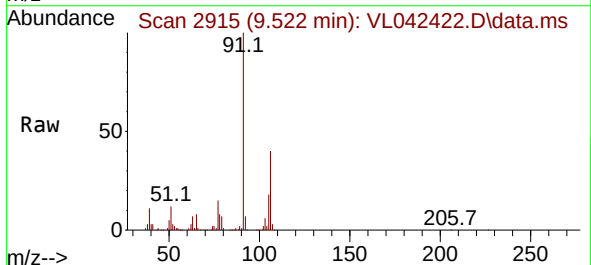
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

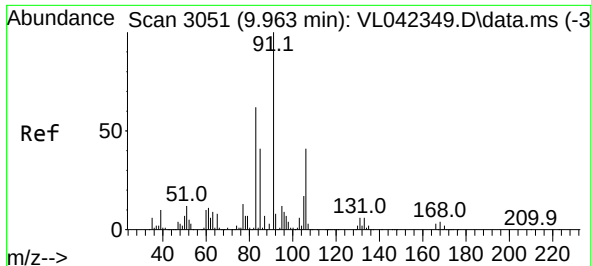
Tgt Ion: 91 Resp: 39720
Ion Ratio Lower Upper
91 100
106 25.5 23.0 34.4



#59
m/p-Xylene
Concen: 1.955 ppbv
RT: 9.522 min Scan# 2915
Delta R.T. -0.029 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 91 Resp: 108081
Ion Ratio Lower Upper
91 100
106 42.5 35.4 53.2

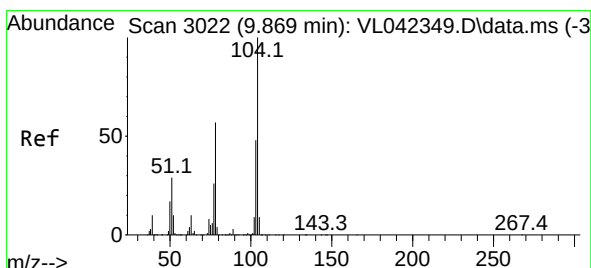
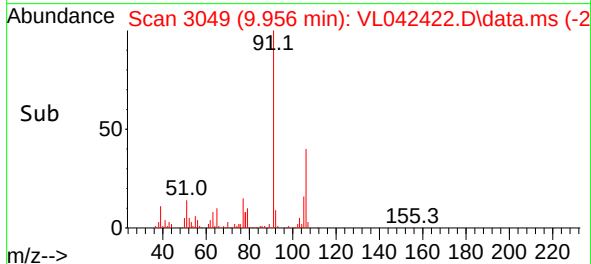
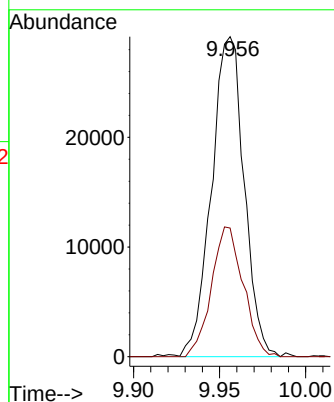
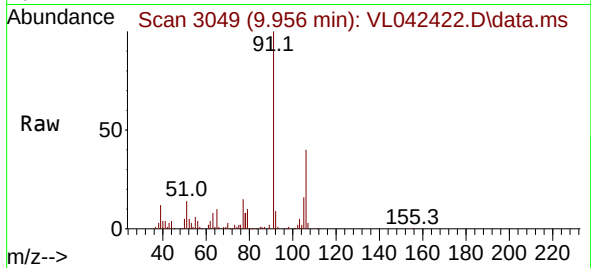




#60
o-Xylene
Concen: 0.691 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

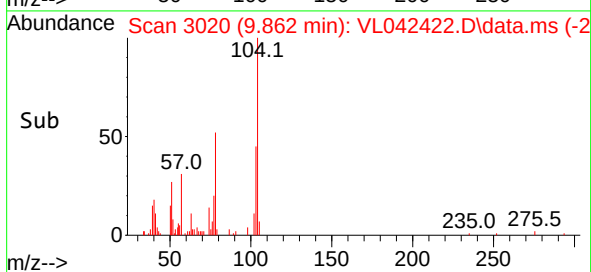
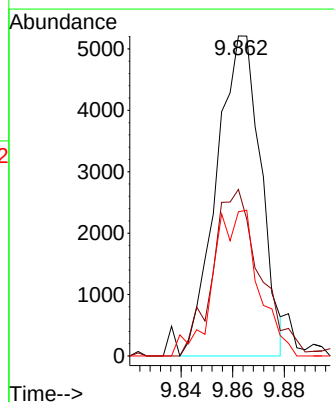
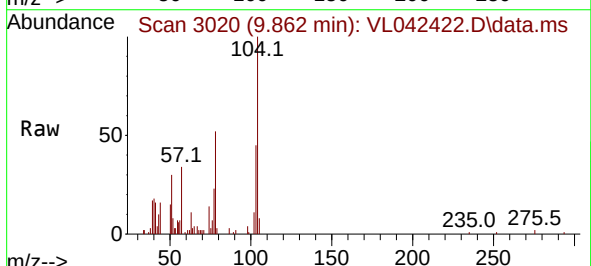
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

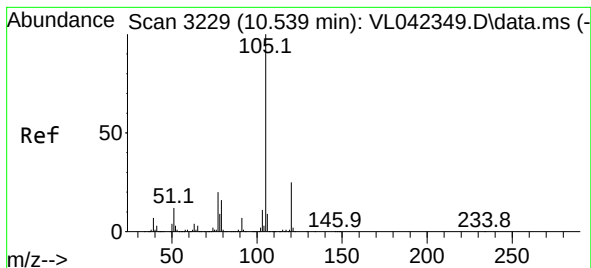
Tgt Ion: 91 Resp: 38480
Ion Ratio Lower Upper
91 100
106 39.4 21.1 63.4



#61
Styrene
Concen: 0.233 ppbv
RT: 9.862 min Scan# 3020
Delta R.T. -0.007 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion:104 Resp: 6199
Ion Ratio Lower Upper
104 100
78 56.9 44.6 66.8
103 46.9 37.4 56.0





#62

Isopropylbenzene

Concen: 0.054 ppbv

RT: 10.532 min Scan# 31

Delta R.T. -0.007 min

Lab File: VL042422.D

Acq: 28 Apr 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

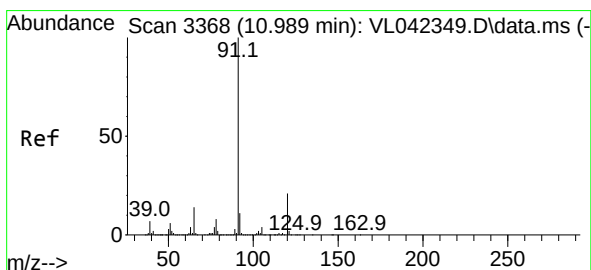
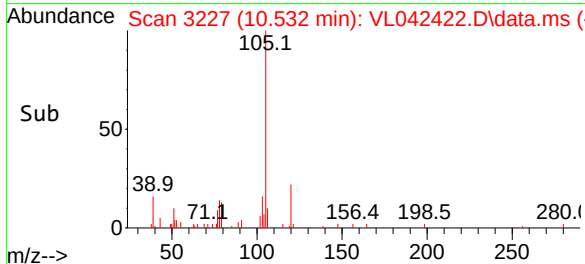
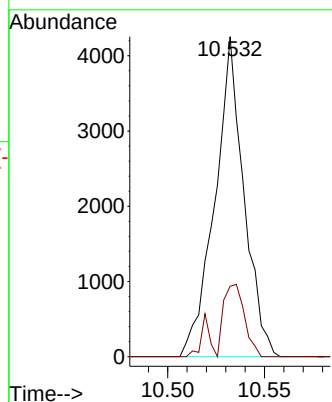
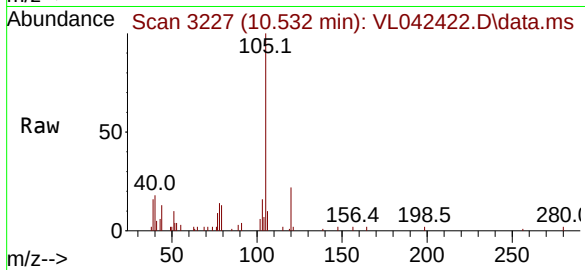
IA-B2-5-3242025

Tgt Ion:105 Resp: 4427

Ion Ratio Lower Upper

105 100

120 20.1 19.8 29.8



#64

n-propylbenzene

Concen: 0.139 ppbv

RT: 10.982 min Scan# 3366

Delta R.T. -0.007 min

Lab File: VL042422.D

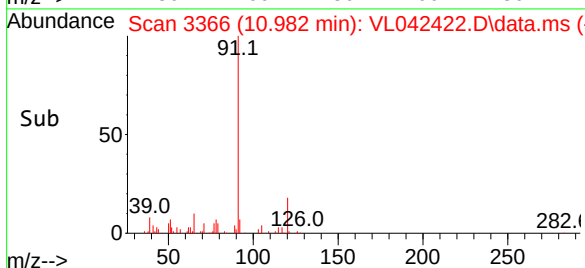
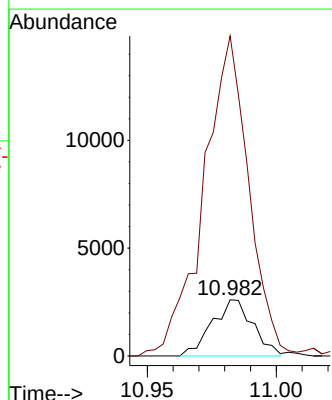
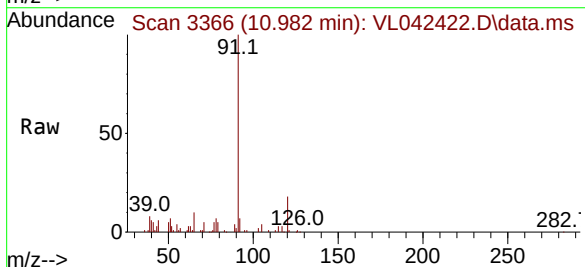
Acq: 28 Apr 2025 12:51

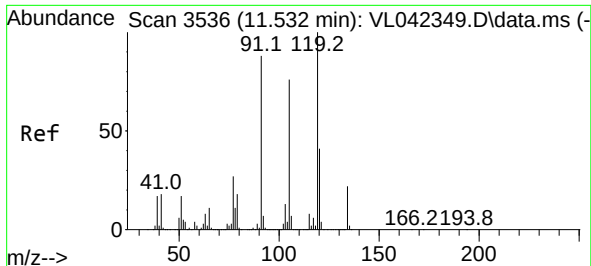
Tgt Ion:120 Resp: 2864

Ion Ratio Lower Upper

120 100

91 636.1 392.4 588.6#

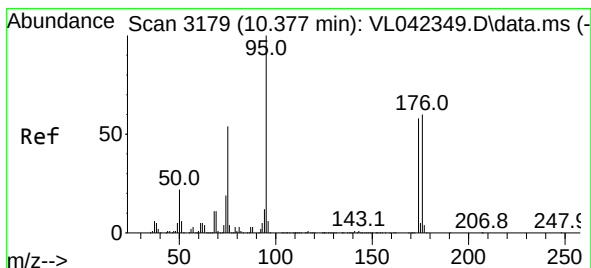
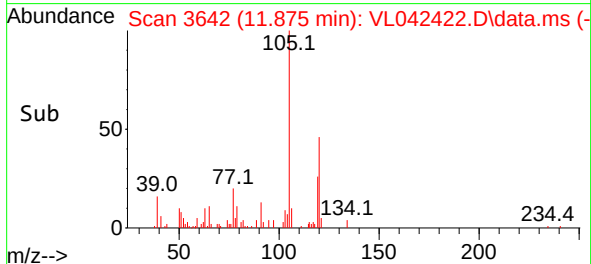
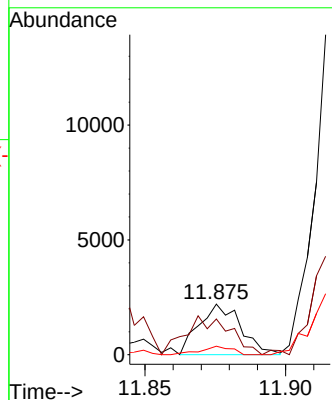
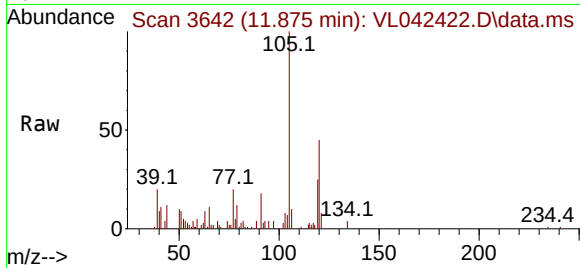




#65
tert-Butylbenzene
Concen: 0.030 ppbv
RT: 11.875 min Scan# 30
Delta R.T. 0.343 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

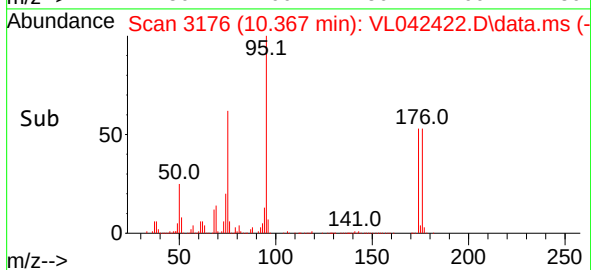
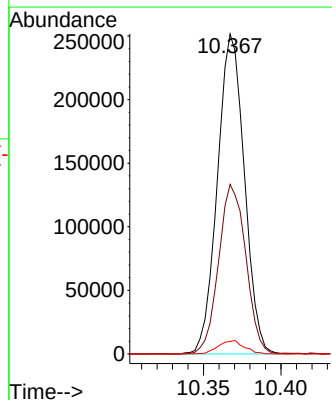
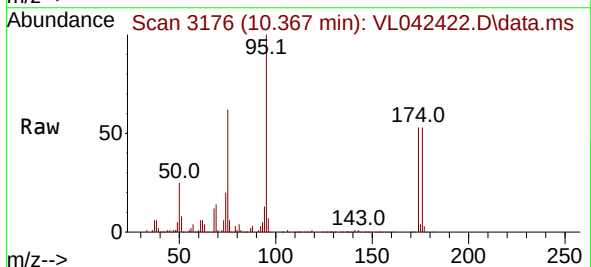
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

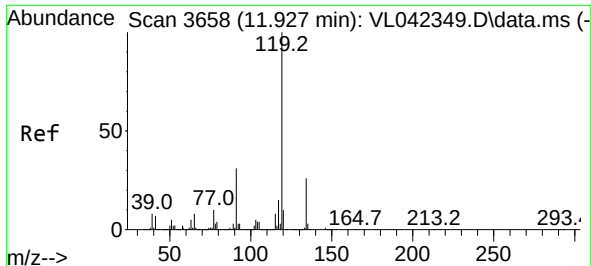
Tgt Ion:119 Resp: 2272
Ion Ratio Lower Upper
119 100
91 83.0 74.6 111.8
134 18.9 18.8 28.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.699 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion: 95 Resp: 304530
Ion Ratio Lower Upper
95 100
174 53.5 48.5 72.7
175 4.1 3.7 5.5

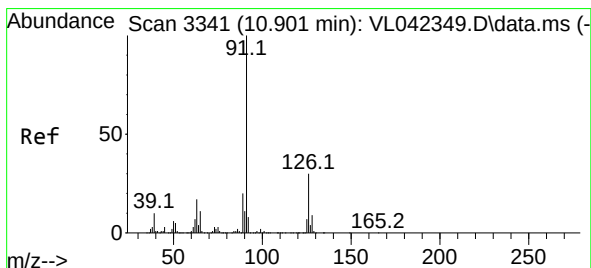
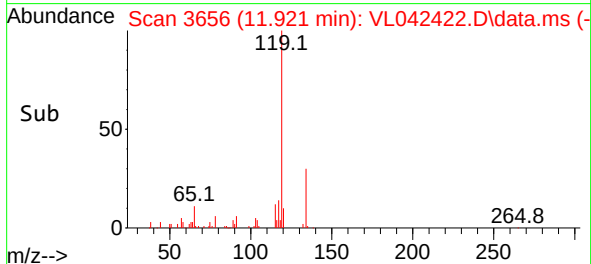
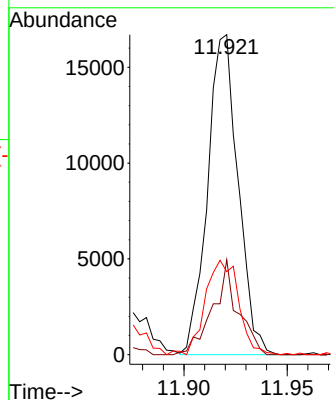
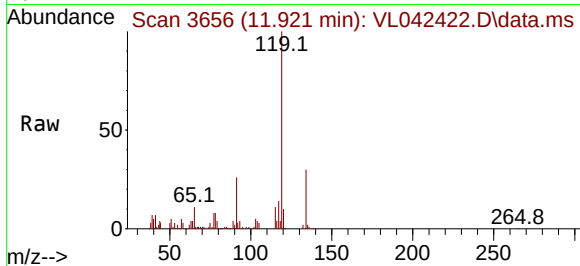




#69
 p-Isopropyltoluene
 Concen: 0.189 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. -0.007 min
 Lab File: VL042422.D
 Acq: 28 Apr 2025 12:51

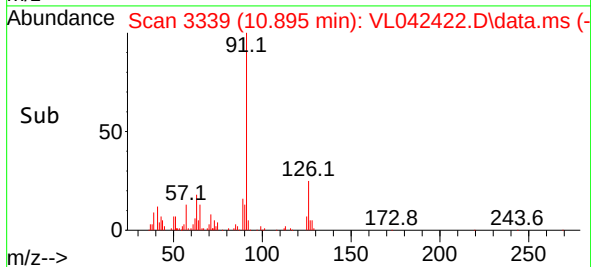
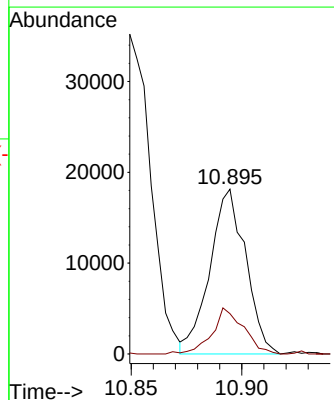
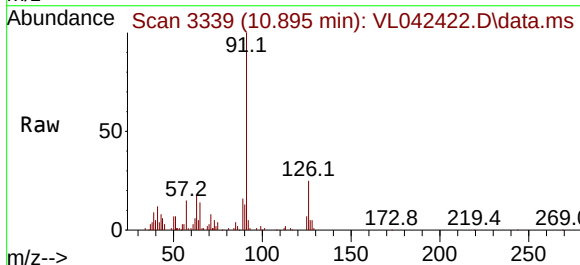
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-5-3242025

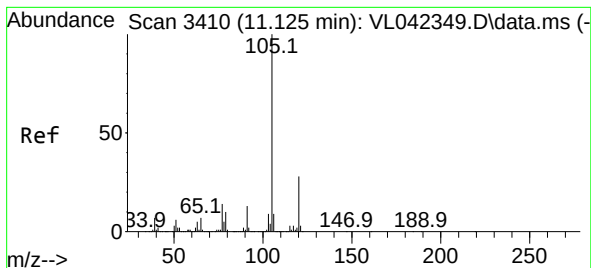
Tgt Ion: 119 Resp: 17184
 Ion Ratio Lower Upper
 119 100
 134 24.4 20.0 30.0
 91 32.0 24.4 36.6



#71
 2-Chlorotoluene
 Concen: 0.319 ppbv
 RT: 10.895 min Scan# 3339
 Delta R.T. -0.007 min
 Lab File: VL042422.D
 Acq: 28 Apr 2025 12:51

Tgt Ion: 91 Resp: 20426
 Ion Ratio Lower Upper
 91 100
 126 25.0 11.4 45.4





#72

4-Ethyltoluene

Concen: 0.244 ppbv

RT: 11.118 min Scan# 3410

Delta R.T. -0.007 min

Lab File: VL042422.D

Acq: 28 Apr 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-5-3242025

Tgt Ion:105 Resp: 16614

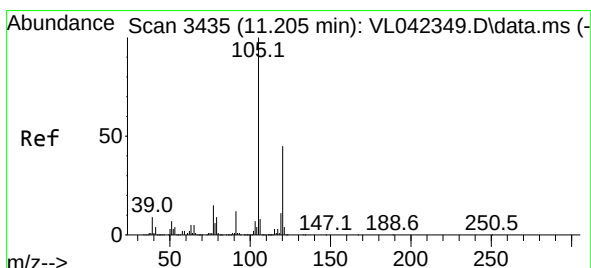
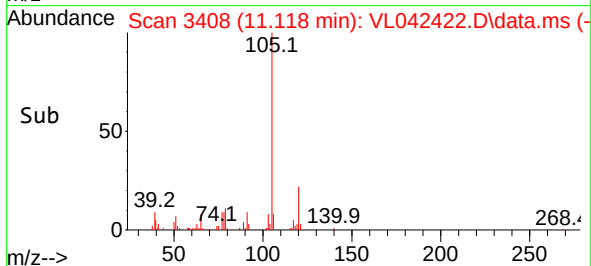
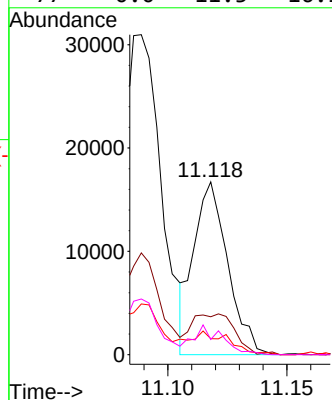
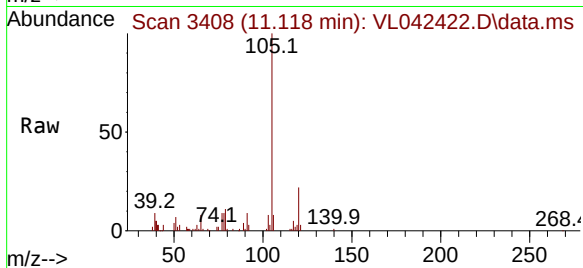
Ion Ratio Lower Upper

105 100

120 0.0 23.2 34.8#

91 0.0 10.4 15.6#

77 0.0 11.3 16.9#



#73

1,3,5-Trimethylbenzene

Concen: 0.269 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.007 min

Lab File: VL042422.D

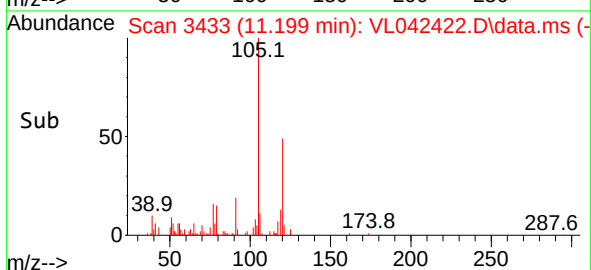
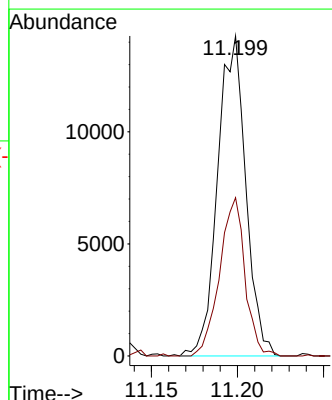
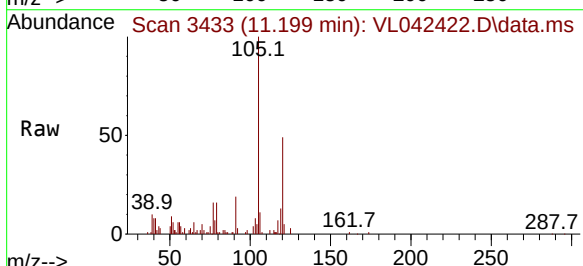
Acq: 28 Apr 2025 12:51

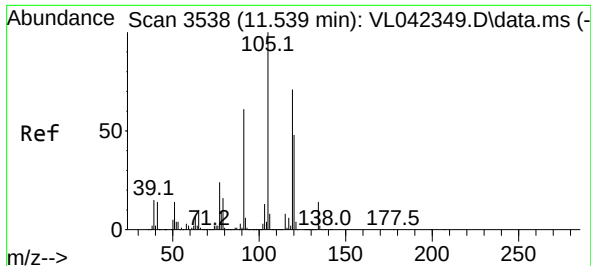
Tgt Ion:105 Resp: 16186

Ion Ratio Lower Upper

105 100

120 49.5 35.6 53.4

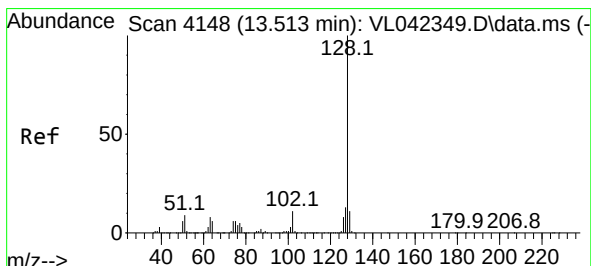
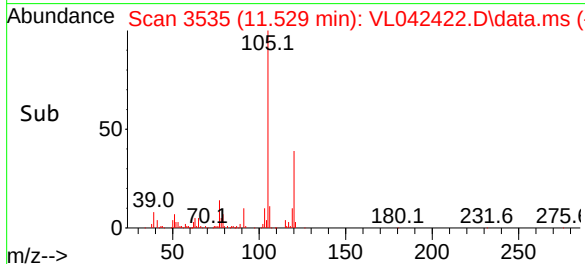
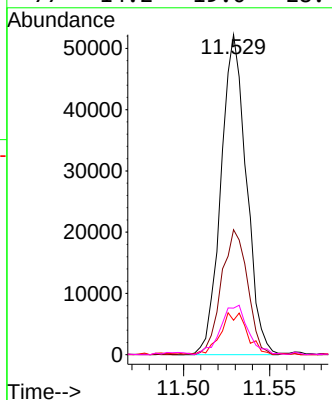
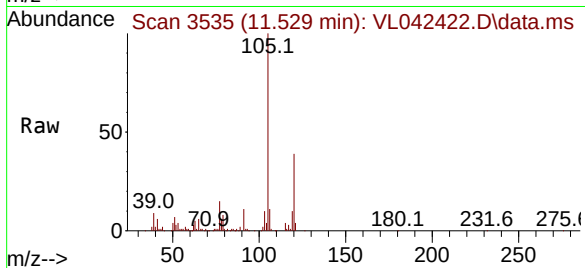




#74
1,2,4-Trimethylbenzene
Concen: 0.764 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.010 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-3242025

Tgt Ion:	105	Resp:	53644
Ion	Ratio	Lower	Upper
105	100		
120	39.0	38.1	57.1
91	10.4	48.8	73.2#
77	14.2	19.0	28.4#



#79
Naphthalene
Concen: 0.039 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. -0.003 min
Lab File: VL042422.D
Acq: 28 Apr 2025 12:51

Tgt Ion:	128	Resp:	3307
Ion	Ratio	Lower	Upper
128	100		
127	6.4	10.6	15.8#
129	8.3	8.6	12.8#

